

## Product datasheet for **TP306955L**

### **EFCAB6 (NM\_198856) Human Recombinant Protein**

#### Product data:

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Description:                          | Recombinant protein of human EF-hand calcium binding domain 6 (EFCAB6), transcript variant 2, 1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Species:                              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Expression cDNA Clone or AA Sequence: | >RC206955 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                       | <p>MNCCRTLRELEIQVGEKVFKNIKTVMKAFELIDVNKTGLVRPQELRRVLETFCMKLRDEEYEFKFSKHNYNI<br/>HKDTAVDYNVFLKNLSINNDLNLRYCMGNQEVSLNQQAQNSKKERLLGSASSEDIWRNYSLEIERNFC<br/>LQLSKSYEKVEKALSAGDPCKGGYVSFNYLKIVLDTFVYQIPRRIFIQLMKRFGKATTKINWKQFLTSTF<br/>HEPQGLQVSSKGPLTKRNSINSRNESHKENIITKLFRTEDHSASLKKALLIINTKPDGPITREEFRYIL<br/>NCMAVKLSDSEFKELMQMLDPGDTGVVNTSMFIDLIEENCRMRKTSPCTDAKTPFLAWDSVEEIVHDTI<br/>TRNLQAFYNMLRSYDLGDTGRIGRNNFKKIMHVFCPFLTNAHFIKLCISKIQDIGSGRILYKKLLACIGID<br/>GPPTVSPVLVPKDQLLSEHLQKDEQQQPDLSERTKLTEDKTTLTKKMTTEEVIKFKKCIQQQDPAFKKR<br/>FLDFSKEPNGKINVHDFKKVLEDTGMPMDDDQYALLTTKIGFEKEGMSYLDFAAGFEDPPMRGPETTPPQ<br/>PPTPSKSYVNSHFITAEECLKLFPRRLKESFRDPYSAFFKTDADRDGIINMHDHLHLLLHLLNLKDDEF<br/>ERFLGLLGLRLSVTLNFRFQNLCEKRPWRTDEAPQRLIRPKQKVADSELACEQAHQYLVTAKNRWSDL<br/>SKNFLETDNEGNGILRRRDIKNALYGFDIPLTPREFEKLWARYDTEGKGHITYQEFLQKLGINYSAPVHR<br/>PCAEDYFNFMGHFTKPQQQLQEEMKELQQSTEKAVAARDKLMDRHQDISKAFTKTDQSKTNYISICKMQE<br/>V<br/>LEECGCSLTEGELTHLLNSWGVSRHDNAINYLDFLRAVENSKSTGAQPKEKEESMPINFATLNPQEVVRK<br/>IQEVVESSQLALSTAFSALGKEDTGFKATEFGQVLKDFCYKLTNDNQYHYFLRKLRIHLTPYINWKYFLQ<br/>NFSCFLEETADEWAEMPKGPPPTSPKATADRDLARLHKAVTSHYHAITQEFENFDTMKTNTISREEFR<br/>AICNRRVQILTDEQFGRLWNEMPVNAKGRLKYPDFLSRFSSETAATPMATGDSAVAQRGSSVPDVSEGTR<br/>SALSPTQELRPGSKSQSHPCTPASTTVIPGTPPLQNCDPYESRLRKRIQGCWRQLLKECKEKDVARQGD<br/>INASDFLALVEKFNLDISKEECQQLIIKYDLKSNGKFAYCDFIQSCVLLLKAKESLMHRMKIQNAHKMK<br/>EAGAETPSFYALLRIQPKIVHCWRPMMRTFKSYDEAGTGLLSVADFRTVLRQYSINLSEEEFFHILEYY<br/>DKTLSSKISYNDFLRAFLQ</p> |

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

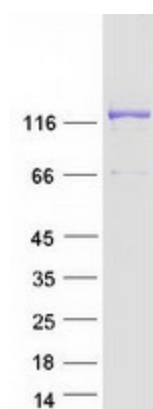
Tag: C-Myc/DDK



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|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Predicted MW:</b>     | 155.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Concentration:</b>    | >0.05 µg/µL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity:</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Buffer:</b>           | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Preparation:</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                                                                                                                                                                                                                                                                                                                         |
| <b>Note:</b>             | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                                                                                                                                                                                                                                                                                                     |
| <b>Storage:</b>          | Store at -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq:</b>           | <a href="#">NP_942153</a>                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Locus ID:</b>         | 64800                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID:</b>       | <a href="#">Q5THR3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>      | 4575                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>     | 22q13.2-q13.31                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>       | 4047                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms:</b>         | dj185D5.1; DJBP; HSCBCIP1                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Summary:</b>          | This gene encodes a protein which directly binds the oncogene DJ-1 and androgen receptor to form a ternary complex in cells. This binding protein recruits histone-deacetylase complexes in order to repress transcription activity of androgen receptor. This protein may also play a role in spermatogenesis and fertilization. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011] |
| <b>Protein Families:</b> | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Product images:



Coomassie blue staining of purified EFCAB6 protein (Cat# [TP306955]). The protein was produced from HEK293T cells transfected with EFCAB6 cDNA clone (Cat# [RC206955]) using MegaTran 2.0 (Cat# [TT210002]).