

## Product datasheet for **TP323854L**

### **RUNX1 (NM\_001001890) Human Recombinant Protein**

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human runt-related transcription factor 1 (RUNX1), transcript variant 2, 1 mg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC223854 representing NM_001001890<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                |

MRIPVDASTSRRFTPPSTALSPGKMSEALPLGAPDAGAALAGKLRSGDRSMVEVLADHPGELVRTDSPNF  
LCSVLPTHWRCNKTLPFAFKVALGDVPDGLVTVMAGNDENYSaelRNATAAMKNQVARFNDLRFVGRS  
GRGKSFTLTITVFTNPPQVATYHRAIKITVDGPREPRRHRQKLDQTKPGSLSFSELRLEQLRRTAMR  
VSPHHPAPTPNPRASLNHSTAFNPQPQSQMQDTRQIQSPSPWSYDQSYQYLGSIASPSVHPATPISPGRA  
SGMTTLSAELSSRLSTAPDLTAFSDPRQFPALPSISDPRMHYPGAFTYSPTPVTSGIGIGMSAMGSATRY  
HTYLPPYPGSSQAQGGPFQASSPSYHLYYGASAGSYQFSMVGGERSPPRILPCTNASTGSALLNPSLP  
NQSDVVEAEGSHSNSPTNMAPSARLEEAVWRPY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

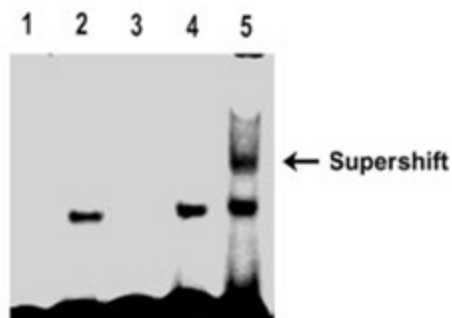
|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 48.6 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Bioactivity:   | RUNX1 Activity verified in a DNA-binding assay:  |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |

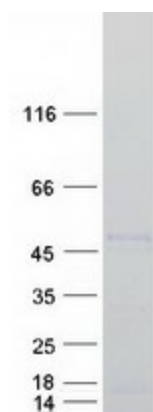


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|                          |  |
|--------------------------|--|
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>RefSeq:</b>           | <a href="#">NP_001001890</a>   |
| <b>Locus ID:</b>         | 861  |
| <b>UniProt ID:</b>       | <a href="#">Q01196</a>   |
| <b>RefSeq Size:</b>      | 7288   |
| <b>Cytogenetics:</b>     | 21q22.12   |
| <b>RefSeq ORF:</b>       | 1359   |
| <b>Synonyms:</b>         | AML1; AML1-EVI-1; AMLCR1; CBF2alpha; CBFA2; EVI-1; PEBP2aB; PEBP2alpha   |
| <b>Summary:</b>          | Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations involving this gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| <b>Protein Families:</b> | Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors   |
| <b>Protein Pathways:</b> | Acute myeloid leukemia, Chronic myeloid leukemia, Pathways in cancer   |

### Product images:





Coomassie blue staining of purified RUNX1 protein (Cat# [TP323854]). The protein was produced from HEK293T cells transfected with RUNX1 cDNA clone (Cat# [RC223854]) using MegaTran 2.0 (Cat# [TT210002]).