

Product datasheet for **TP318016M**

53BP1 (TP53BP1) (NM_005657) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human tumor protein p53 binding protein 1 (TP53BP1), transcript variant 3, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |



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Expression cDNA Clone or AA Sequence: >RC218016 representing NM_005657
Red=Cloning site Green=Tags(s)

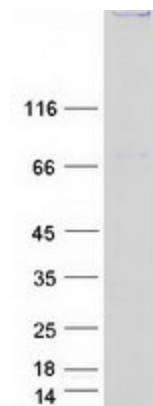
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 AQELMESGLQIQKSPEPEVLSTQEDLFDQSNKTVSSDGCSTPSREEGGCSLASTPATTLLHLLQLSGQRSL
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 VDDKLCRMKLVSPETEASEESLQFNLEKPATGERKNGSTAVAESVASPQKTMSVLSLSCICEARQENEAR
 EDPTTPIRGNLLHFPSSQGEEKEKLEGDHTIRQSQQPMKIPVKDPVSPASQKMVIQGPSSPQGEAM
 VTDVLEDQKEGRSTNQENPSKALIERPSQNNIGIQTMECSLRVPETVSAATQTIKNVCEQGTSTVDQNF
 KQDATVQTERGSGEKPVSAPGDDTESLHSQEEEEFDMPPHGHVLRHRMRTIREVRTLVTRVITDVVYV
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 GKGAGPLRGKTSGETPADFALPSSRGGPGKLSRPRKGVSTGTPVCEEDGDAGLGIRQGGKAPVTPRGRGR
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 AGPSDGLDASSPGNSFVGLRWAKWSSNGYFYSGKITRDVAGAGYKLLFDDGYECDVLGKDILLCDPIPL
 DTEVTALSEDEYFSAGVWKGHRKESGELYYSIEKEGQRKWKYKRMVILSLEQGNRLREQYGLGPYEAVTP
 LTKAADISLDNLVEGKRKRRSNVSSPATPTASSSSSTTPTRKITESPRASMGVLSGKRKLITSEEERSPA
 KRGRKSATVKPGAVGAGEFVSPCESGDNTGEPALAEQGRPLPLNKTFLGYAFLLTMATTSDKLASRSK
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 SGIPCVS HVVHDSCHANQLQNYRNYLLPAGYSLEEQRILDWQPRENPFQNLKVLVSDQQNFLELWSE
 ILMTGGAASVKQHSSAHNKDIALGVFDVWVTDPSCPASVLKCAEALQLPVVSQEWVIQCLIVGERIGFK
 QHPKYKH DYVSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 213.4 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
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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| 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. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_005648 |
| Locus ID: | 7158 |
| UniProt ID: | Q12888 |
| RefSeq Size: | 6266 |
| Cytogenetics: | 15q15.3 |
| RefSeq ORF: | 5916 |
| Synonyms: | 53BP1; p53BP1; p202; TDRD30 |
| Summary: | This gene encodes a protein that functions in the DNA double-strand break repair pathway choice, promoting non-homologous end joining (NHEJ) pathways, and limiting homologous recombination. This protein plays multiple roles in the DNA damage response, including promoting checkpoint signaling following DNA damage, acting as a scaffold for recruitment of DNA damage response proteins to damaged chromatin, and promoting NHEJ pathways by limiting end resection following a double-strand break. These roles are also important during V(D)J recombination, class switch recombination and at unprotected telomeres. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2017] |
| Protein Families: | Druggable Genome, Transcription Factors |

Product images:



Coomassie blue staining of purified TP53BP1 protein (Cat# [TP318016]). The protein was produced from HEK293T cells transfected with TP53BP1 cDNA clone (Cat# [RC218016]) using MegaTran 2.0 (Cat# [TT210002]).