

Product datasheet for **TP318016**

53BP1 (TP53BP1) (NM_005657) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tumor protein p53 binding protein 1 (TP53BP1), transcript variant 3, 20 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)

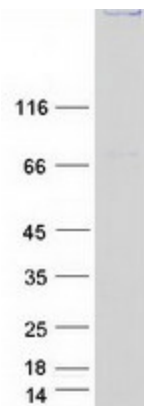
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 KQDATVQTERGSGEKPVSAPGDDTESLHSQGEFEFDMPPHGHVLRHRMRTIREVRTLVTRVITDVVVY
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 AGPSDGLDASSPGNSFVGLRWAKWSSNGYFYSGKITRDVGAGYKLLFDDGYECDVLGKDILLCDPIPL
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 SGIPCVS HVVHDSCHANQLQNYRNYLLPAGYSLEEQRILDWQPRENPFQNLKVLVSDQQQNFLELW
 SE
 ILMTGGAASVKQHHSSAHNKDIALGVFDVWVTDPSPCPASVLKCAEALQLPVVSQEWVIQCLIVGERIGFK
 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.
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]).