

## 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)

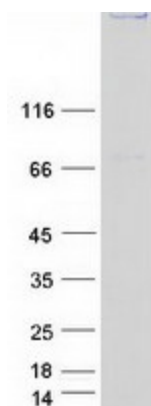
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 GKGAGPLRGKTSGETPADFALPSSRGGPGKLSRPRKGVSTGTPVCEEDGDAGLGIRQGGKAPVTPRGRGR  
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 LPDGPTGSSEEEEEFLEIPPFNKQYTESQLRAGAGYILEDNFNEAQCNTAYQCLLIADQHCRTRKYFLCLA  
 SGIPC VSHVWHDSCHANQLQNYRNYLLPAGYSLEEQRILDWQPRENPFQNLK VLLVSDQQNFLELWSE  
 ILMTGGAASVKQHHSSAHNKDIALGVFDVWVTDPSCPASVLKCAEALQLPVVSQEWVIQCLIVGERIGFK  
 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.

<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_005648</a>
<b>Locus ID:</b>	7158
<b>UniProt ID:</b>	<a href="#">Q12888</a>
<b>RefSeq Size:</b>	6266
<b>Cytogenetics:</b>	15q15.3
<b>RefSeq ORF:</b>	5916
<b>Synonyms:</b>	53BP1; p53BP1; p202; TDRD30
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).