

Recombinant Human tumor protein p53 binding protein 1 Protein, His tagged

Cat. No. TP53BP1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TP53BP1 Protein (1614-1972aa) with His tag was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	1614-1972aa
Description	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.
Tag	C-His
Molecular Mass	40.66 kDa
AA Sequence	AADISLDNLVEGKRKRRSNVSSPATPTASSSSSTTPTRKITESPRASMGVLSGKRKLI

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TSEEERSPAKRGRKSATVKPGAVGAGEFVSPCESGDNTGEPSALEEQRGPLPLNK
 TLFLGYAFLLTMATTSCLKASRSKLPDGPTGSSEEEEFLEIPPFNKQYTESQLRAGA
 GYILEDNFNEAQCNTAYQCLLIADQHCRTKRYFLCLASGIPCVSHVWVHDSCHANQLQ
 NYRNYLLPAGYSLEEQRILDWQPRENPFQNLKVLLVSDQQQNFLWLSEILMTGGA
 ASVKQHHSSAHNKDIALGVFDVVVTDPSCPASVLKCAEALQLPVVSQEWVIQCLIVG
 ERIGFKQHPKYKHDYVSHHHHHHHHH

Endotoxin < 1 EU/μg by LAL

Purity > 70% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH7.4

Concentration 1.0 mg/mL by BCA

GENE INFORMATION

Gene Name TP53BP1 tumor protein p53 binding protein 1 [Homo sapiens (human)]

Official Symbol TP53BP1

Synonyms TP53BP1; tumor protein p53 binding protein 1; tumor protein p53 binding protein, 1; tumor suppressor p53-binding protein 1; 53BP1; p202; p53BP1; p53-binding protein 1; tumor protein 53-binding protein, 1; tumor protein p53-binding protein, 1; FLJ41424; MGC138366

Gene ID 7158

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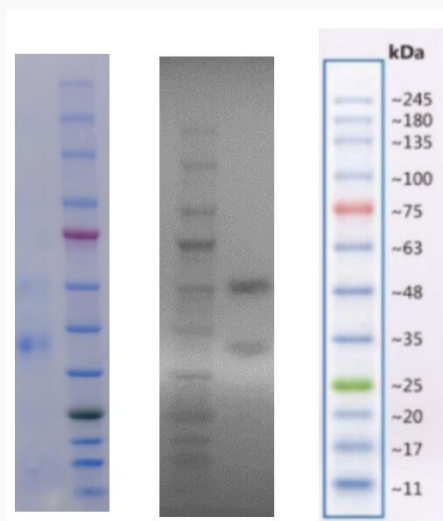
mRNA Refseq [NM_001141979](#)

Protein Refseq [NP_001135451](#)

MIM [605230](#)

UniProt ID [Q12888](#)

**Reducing 4%-20%
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
TP53BP1.**



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