

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

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

## SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TSEEERSPAKRGRKSATVKPGAVGAGEFVSPCESGDNTGEPSALEEQRGPLPLNK  
 TLFLGYAFLLTMATTSCLKASRSKLPDGPTGSSEEEEFLEIPPFNKQYTESQLRAGA  
 GYILEDNFNEAQCNTAYQCLLIADQHCRTKRYFLCLASGIPCVSHVWVHDSCHANQLQ  
 NYRNYLLPAGYSLEEQRILDWQPRENPFQNLKVLLVSDQQQNFLLELWSEILMTGGA  
 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

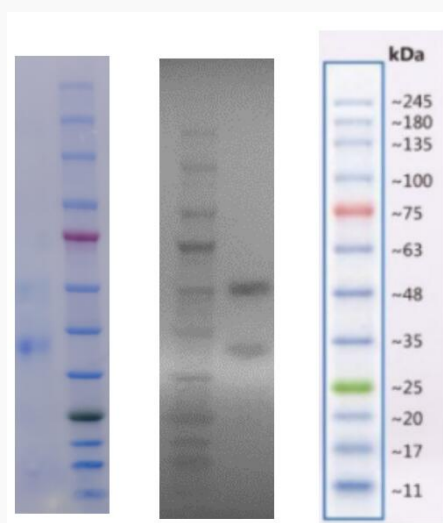
**mRNA Refseq** [NM\\_001141979](#)

**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.**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA