Recombinant Human Phosphorylated TP53BP1 Protein, His-tagged

Cat. No. TP53BP1-2839H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Phosphorylated TP53BP1 Protein (Thr1776-Gln1795 with phosphoserine at 1778 site) fused with a N-His tag.
Species	Human
Source	Protein Modification
ProteinLength	Thr1776-Gln1795 with phosphoserine at 1778 site.
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 2292.4 Da
Purity	> 95%

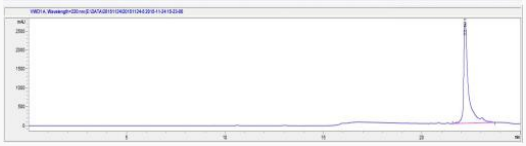
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4.
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TP53BP1 tumor protein p53 binding protein 1 [Homo sapiens]
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
mRNA Refseq	NM_001141979
Protein Refseq	NP_001135451
MIM	605230

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UniProt ID	Q12888
	

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