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Datasheet for ABIN7552433

**TP53BP2 Protein (AA 1-1128) (His tag)**

## Overview

Quantity:	1 mg
Target:	TP53BP2
Protein Characteristics:	AA 1-1128
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TP53BP2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat TP53BP2 Protein expressed in mammalian cells.
Sequence:	MMPMFLTVYL SNNEQHFTTEV PVTPETICRD VVLDLCKEPGE SDCHLAEVWC GSERPVADNE RMFDVLQRFG SQRNEVRFFL RHERPPGRDI VSGPRSQDPS LKRNGVKVPG EYRRKENGVN SPRMDLTLAE LQEMASRQQQ QIEAQQQLLA TKEQRLKFLK QQDQRQQQV AEQEKLKRLK EIAENQEAKL KKVRALKGHV EQKRLSNGKL VEEIEQMNNL FQQKQRELVL AVSKVEELTR QLEMLKNGRI DSHHDNQSAV AELDRLYKEL QLRNKLNQE QNAKLQQQREC LNKRNSEVAV MDKRVNELRD RLWKKKAALQ QKENLPVSSD GNLPQQAASA PSRVAAVGPY IQSSTMPRMP SRPELLVKPA LPDGSLVIQA SEGPMKIQTL PNMRSQAASQ TKGSKIHPVG PDWSPSNADL FPSQGSASVP QSTGNALDQV DDGEVPLREK EKKVRPFMSF DAVDQSNAPP SFGTLRKNQS SEDILRDAQV ANKNVAKVPP PVPTKPKQIN LPYFGQTNQP PSDIKPDGSS QQLSTVVPSM GTKPKPAGQQ PRVLLSPSIP SVGQDQTLSP GSKQESPPAA AVRPFTPQPS KDTLLPPFRK PQTVAASSIY SMYTQQQAPG KNFQQAVQSA LTKTHTRGPH FSSVYGKPV IAAAQNQQQHP

## Product Details

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ENIYSNSQ GK PGSPETEP VSSVQENHEN ERIPRPLSPT KLLPFLSNPY RNQSDADLEA  
LRKKLSNAPR PLKKRSSITE PEGPNGPNIQ KLLYQRTTIA AMETISVPSY PSKSASVTAS  
SESPVEIQNP YLHVEPEKEV VSLVPESLSP EDVGNASTEN SDMPAPSPGL DYEPEGVPDN  
SPNLQNNPEE PNPEAPHVLD VYLEEYPPYP PPPYPSGEPE GPGEDSVSMR PPEITGQVSL  
PPGKRTNLRK TGSERIAHGM RVKFNPLALL LDSSLEGEFD LVQRIIEVD DPSLPNDEGI  
TALHNAVCAAG HTEIVKFLVQ FGVNVNAADS DGWTPLHCAA SCNNVQVCKF LVESGAAVFA  
MTYSMDMTAA DKCEEMEEGY TQCSQFLYGV QEKMGIMNKG VIYALWDYEP QNDELPMKE  
GDCMTIIHRE DEDEIWWWA RLNDKEGYVP RNLLGLYPRI KPRQRSLA **Sequence without tag.**

**The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

TP53BP2

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### Alternative Name:

TP53BP2 ([TP53BP2 Products](#))

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### Background:

Apoptosis-stimulating of p53 protein 2 (Bcl2-binding protein) (Bbp) (Renal carcinoma antigen NY-REN-51) (Tumor suppressor p53-binding protein 2) (53BP2) (p53-binding protein 2)

## Target Details

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(p53BP2),FUNCTION: Regulator that plays a central role in regulation of apoptosis and cell growth via its interactions with proteins such as TP53 (PubMed:12524540). Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. Inhibits the ability of NAE1 to conjugate NEDD8 to CUL1, and thereby decreases NAE1 ability to induce apoptosis. Impedes cell cycle progression at G2/M. Its apoptosis-stimulating activity is inhibited by its interaction with DDX42.  
{ECO:0000269|PubMed:11684014, ECO:0000269|PubMed:12524540, ECO:0000269|PubMed:12694406, ECO:0000269|PubMed:19377511}.

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Molecular Weight: 125.6 kDa

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UniProt: [Q13625](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months