

Datasheet for ABIN7564925

TRIM33 Protein (AA 1-1142) (His tag)



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Overview

Quantity:	1 mg
Target:	TRIM33
Protein Characteristics:	AA 1-1142
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIM33 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Trim33 Protein expressed in mammalian cells.
Sequence:	<p>MAENKGGGEA ESGGGGSGSA PVTAGAAGPT AQEAEPPLAA VLVEEEEEEG GRAGAEGGAA</p> <p>GPDDGGVAAA SSSSAPAAASV PAASVGSAPV GGAASTPAPA AAPAPAPAPA PAPAPAPAPA</p> <p>PAPGSSSGPP LGPPASLLDT CAVCQQLQS RREAEPKLLP CLHSFCLRCL PEPERQLSVP</p> <p>IPGGSNGDVQ QVGVIKCPVC RQECRQIDL V DNYFVKDTSE APSSSDEKSE QVCTSCEDNA</p> <p>SAVGFCVECG EWLCKTCIEA HQRVKFTKDH LIRKKEDVSE SVGTSGQRPV FCPVHKQEQL</p> <p>KLFCETCDRL TCRDCQLLEH KEHRYQFLEE AFQNQKGAIE NLLAKLLEKK NYVHFAATQV</p> <p>QNRIKEVNET NKRVEQEIKV AIFTLINEIN KKGKSLQQL ENVTKERQMK LLQQQNDITG</p> <p>LSRQVKHVMN FTNWAIASGS STALLYSKRL ITFQLRHILK ARCDPVPAAN GAIRFHCDPT</p> <p>FWAKNVVNLG NLVIESKPAP GYTPNVVVGQ VPPGTNHISK TPGQINLAQL RLQHMQQQVY</p> <p>AQKHQQLQQM RLQPPAPIP TTTATTQQHP RQAAPQMLQQ QPRLISVQT MQRGNMNCGA</p> <p>FQAHQMRLAQ NAARIPGIPR HSAPQYSMMQ PHLQRQHSNP GHAGPFPVVS AHNPINPTSP</p>

TTATMANANR GPTSPSVTAI ELIPSVTNPE NLPSPDIPP IQLEDAGSSS LDNLLSRYIS
GSHLPPQPTS TMNPSPGPSA LSPGSSGLSN SHTPVRPPST SSTGSRGSCG SSGRTAEKSA
HSFKSDQVKV KQEPGTEEEI CSFSGAVKQE KTEDGRRSAC MLSSPESSLT PPLSTNLHLE
SELDTLTGLE NHVKTEPTDI SESCKQSGLS NLVNGKSPIR NLMHRSARIG GDGNSKDDDP
NEDWCAVCQN GGDLLCCEKC PKVFHLTCHV PTLLSFPSGD WICTFCRDIG KPEVEYDCDN
MQHKKKGKTA QGLSPVDQRK CERLLLYLYC HELSIEFQEP VPVSIPNYYK IIKKPMDLST
VKKKLQKKHS QHYQIPDDFV ADVRLIFKNC ERFNEMMKVV QVYADTQEIN LKGDSEVAKA
GKAVALYFED KLSEIYSDRT FTPLPEFEQD EDDGEVTEDS DEDFIQPRRK RLKSDERP VH IK

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.

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.

Purity:

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

Grade:

custom-made

Target Details

Target:

TRIM33

Alternative Name:

Trim33 ([TRIM33 Products](#))

Background:

E3 ubiquitin-protein ligase TRIM33 (EC 2.3.2.27) (Ectodermin homolog) (RING-type E3 ubiquitin transferase TRIM33) (Transcription intermediary factor 1-gamma) (TIF1-gamma) (Tripartite

Target Details

motif-containing protein 33),FUNCTION: Acts as an E3 ubiquitin-protein ligase. Promotes SMAD4 ubiquitination, nuclear exclusion and degradation via the ubiquitin proteasome pathway (By similarity). May act as a transcriptional repressor (By similarity). Inhibits the transcriptional response to TGF-beta/BMP signaling cascade (By similarity). Plays a role in the control of cell proliferation (By similarity). Its association with SMAD2 and SMAD3 stimulates erythroid differentiation of hematopoietic stem/progenitor. Monoubiquitinates SMAD4 and acts as an inhibitor of SMAD4-dependent TGF-beta/BMP signaling cascade (Monoubiquitination of SMAD4 hampers its ability to form a stable complex with activated SMAD2/3 resulting in inhibition of TGF-beta/BMP signaling cascade) (By similarity). {ECO:0000250, ECO:0000269|PubMed:16751102}.

Molecular Weight: 123.8 kDa

UniProt: [Q99PP7](#)

Application Details

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.

Restrictions: For Research Use only

Handling

Format: Liquid

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months