

Product datasheet for TP527454

Trim33 (NM_053170) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tripartite motif-containing 33 (Trim33), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227454 representing NM_053170 Red =Cloning site Green =Tags(s)
	<p>MAENKGGGEAESGGGGSGSAPVTAGAAAGPTAQEAEPPLAAVLVEEEEEEGGRAGAEGGAAGPDDGGVAAA SSSSAPAASVPAASVGSAPVGGAASTPAPAAAPAPAPAPAPAPAPAPAGSSSGPPLGPPASLLDTCA VCQQSLQSRREAEPKLLPCLHSFCLRCLPEPERQLSVPIPGGSNGDVQQVGVIRCPVCRQECRQIDLVDN YFVKDTSEAPSSSDEKSEQVCTSCEDNASAVGFCVECGEWLCKTCIEAHQRVKFTKDHLIRKKEDVSESV GTSGQRPVFCPVHKQEQLKFCETCDRLTCRDCQLLEHKEHRYQFLEEFQNKGAIIENLLAKLLEKKNY VHFAATQVQNRIVEVNETNKRVEQEIKVAIFLINEINKKGSLLQLENVTKERQMKLLQQNDITGLS RQVKHVMNFTNWAIASGSSTALLYSKRLITFQLRHILKARCDPVAANGAIRFHCDPTFWAKNVVNLGNL VIESKPAPGYTPNVVVGQVPPGTHISKTPGQINLAQLRLQHMQQQVYAQKHQQQLQQMRLQPPAPIPTT TATTQQHPRQAAPQMLQQQPPRLISVQTMQRGNMNCGAFQAHQMLAQNAARIPGIPRHSAPQYSMMQPH LQRQHSNPGHAGFPVSAHNPINPTSPTTATMANANRGPTSPSVTAIELIPSVTNPENLPSLPDIPPIQ LEDAGSSSLDNLLSRYISGSHLPPQPTSTMNPSGPSALSFGSSGLSNSHTPVRPPSTSSTGSRGSCGSS GRTAEKSAHSFKSDQVKVKQEPGTEEEICFSGAVKQEKTEDGRRSACMLSSPESSLTPPLSTNLHLESE LDTLTGLENHVKTEPTDISESCKQSGLSNLVNGKSPIRNLMHR SARIGGDGNSKDDDPNEDWCAVCQNGG DLLCCEKCPKVFHILTCHVPTLLSFPSGDWICTFCRDIGKPEVEYDCDNMQHSHKKGKTAQGLSPVDQRKCE RLLLYLYCHELSIEFQEPVPSIPNYYKIIKKPMDLSTVKKKLQKKHSQHYQIPDDFVADVRLIFKNCER FNEMMKVVQVYADTQEINLKG DSEVAKAGKAVALYFEDKLSIYSDRTFTPLPEFEQDEDDGEVTEDESDE DFIQPRRRLKSDERPVIK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	124.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_444400
Locus ID:	94093
UniProt ID:	Q99PP7 , E9QP19
RefSeq Size:	8868
Cytogenetics:	3 F2.2
RefSeq ORF:	3420
Synonyms:	8030451N04Rik; AI413936; Ecto; Tif1g
Summary:	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).[UniProtKB/Swiss-Prot Function]