Tripartite Motif-Containing Protein 29 (TRIM29) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tripartite motif-containing protein 29 (TRIM29), Recombinant Protein
Full Product Name	Recombinant Human Tripartite motif-containing protein 29 (TRIM29)
Product Gene Name	TRIM29 recombinant protein
Product Synonym Gene Name	TRIM29
Sequence	MEAADASRSN GSSPEARDAR SPSGPSGSLE NGTKADGKDA KTTNGHGGEA AEGKSLGSAL KPGEGRSALF AGNEWRRPII QFVESGDDKN SNYFSMDSME GKRSPYAGLQ LGAAKKPPVT FAEKGELRKS IFSESRKPTV SIMEPGETRR NSYPRADTGL FSRSKSGSEE VLCDSCIGNK QKAVKSCLVC QASFCELHLK PHLEGAAFRD HQLLEPIRDF EARKCPVHGK TMELFCQTDQ TCICYLCMFQ EHKNHSTVTV EEAKAEKETE LSLQKEQLQL KIIEIEDEAE KWQKEKDRIK SFTTNEKAIL EQNFRDLVRD LEKQKEEVRA ALEQREQDAV DQVKVIMDAL DERAKVLHED KQTREQLHSI SDSVLFLQEF GALMSNYSLP PPLPTYHVLL EGEGLGQSLG NFKDDLLNVC MRHVEKMCKA DLSRNFIERN HMENGGDHRY VNNYTNSFGG EWSAPDTMKR YSMYLTPKGG VRTSYQPSSP GRFTKETTQK NFNNLYGTKG NYTSRVWEYS SSIQNSDNDL PVVQGSSSFS LKGYPSLMRS QSPKAQPQTW KSGKQTMLSH YRPFYVNKGN GIGSNEAP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	63,844 Da
Sequence Positions	1-588, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	610658
3D Structure	ModBase 3D Structure for Q14134
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TRIM29 recombinant protein	This protein belongs to the TRIM protein family. It has multiple zinc finger motifs and a leucine zipper motif. It has been proposed to form homo- or heterodimers which are involved in nucleic acid binding. Thus, it may act as a transcriptional regulatory factor involved in carcinogenesis and or differentiation. It may also function in the suppression of radiosensitivity since it is associated with ataxia telangiectasia phenotype.
Other Notes	Small volumes of TRIM29 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TRIM29 purchase	MBS1470376 is a recombinant protein targeting TRIM29. Also known as Recombinant Human Tripartite motif-containing protein 29 (TRIM29). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIM29. It may not necessarily be applicable to this product.

NCBI GI #	17402909
NCBI GeneID	23650
NCBI Accession #	NP_036233.2
UniProt Primary Accession #	Q14134
UniProt Secondary Accession #	Q96AA9; Q9BZY7
UniProt Related Accession #	Q14134
GenBank Nucleotide #	NM_012101.3
NCBI Official Full Name	tripartite motif-containing protein 29 isoform 1
NCBI Official Synonym Full Names	tripartite motif containing 29
NCBI Official Symbol	TRIM29
NCBI Official Synonym Symbols	ATDC
UniProt Protein Name	Tripartite motif-containing protein 29
UniProt Synonym Protein Names	Ataxia telangiectasia group D-associated protein
Protein Family	Tripartite motif-containing protein
UniProt Gene Name	TRIM29
UniProt Synonym Gene Names	ATDC
NCBI Protein Information	tripartite motif-containing protein 29
NCBI Summary for TRIM29	The protein encoded by this gene belongs to the TRIM protein family. It has multiple zinc finger motifs and a leucine zipper motif. It has been proposed to form homo- or heterodimers which are involved in nucleic acid binding. Thus, it may act as a transcriptional regulatory factor involved in carcinogenesis and/or differentiation. It may also function in the suppression of radiosensitivity since it is associated with ataxia telangiectasia phenotype. [provided by RefSeq, Jul 2008]
UniProt Comments for TRIM29	Plays a crucial role in the regulation of macrophage activation in response to viral or bacterial infections within the respiratory tract. Mechanistically, TRIM29 interacts with IKBKG/NEMO in the lysosome where it induces its 'Lys-48' ubiquitination and subsequent degradation. In turn, the expression of type I interferons and the production of proinflammatory cytokines are inhibited. Additionally, induces the 'Lys-48' ubiquitination of TMEM173/STING in a similar way, leading to its degradation.
Research Articles on TRIM29	**1.** Knockdown of tripartite motif-containing 29 protein (TRIM29) enhanced the production of type I interferon in human and mouse dendritic cells by up to fourfold in response to intracellular herpes simplex virus.
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