RING Finger Protein 11 (RNF11) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	RING finger protein 11 (RNF11), Recombinant Protein
Full Product Name	Recombinant Human RING finger protein 11 (RNF11)
Product Gene Name	RNF11 recombinant protein
Product Synonym Gene Name	RNF11
Sequence	GNCLKSPTSD DISLLHESQS DRASFGEGTE PDQEPPPPYQ EQVPVPVYHP TPSQTRLATQ LTEEEQIRIA QRIGLIQHLP KGVYDPGRDG SEKKIRECVI CMMDFVYGDP IRFLPCMHIY HLDCIDDWLM RSFTCPSCME PVDAALLSSY ETN
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	19.3 kDa
Sequence Positions	2-154aa, Full Length of Mature 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	612598
3D Structure	ModBase 3D Structure for Q9Y3C5
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RNF11 recombinant protein	This protein contains a RING-H2 finger motif, which is known to be important for protein-protein interactions. The expression of this gene has been shown to be induced by mutant RET proteins (MEN2A MEN2B). The germline mutations in RET gene are known to be responsible for the development of multiple endocrine neoplasia (MEN).
Other Notes	Small volumes of RNF11 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 RNF11 purchase	MBS1387168 is a recombinant protein targeting RNF11. Also known as Recombinant Human RING finger protein 11 (RNF11). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RNF11. It may not necessarily be applicable to this product.

NCBI GI #	7657520
NCBI GeneID	26994

NCBI Accession #	NP_055187.1
UniProt Primary Accession #	Q9Y3C5
UniProt Secondary Accession #	Q5T7R8; A8KAI2
UniProt Related Accession #	Q9Y3C5
GenBank Nucleotide #	NM_014372.4
NCBI Official Full Name	RING finger protein 11
NCBI Official Synonym Full Names	ring finger protein 11
NCBI Official Symbol	RNF11
NCBI Official Synonym Symbols	CGI-123; SID1669
UniProt Protein Name	RING finger protein 11
Protein Family	RING finger protein
UniProt Gene Name	RNF11
NCBI Protein Information	RING finger protein 11
NCBI Summary for RNF11	The protein encoded by this gene contains a RING-H2 finger motif, which is known to be important for protein-protein interactions. The expression of this gene has been shown to be induced by mutant RET proteins (MEN2A/MEN2B). The germline mutations in RET gene are known to be responsible for the development of multiple endocrine neoplasia (MEN). [provided by RefSeq, Jul 2008]
UniProt Comments for RNF11	Essential component of a ubiquitin-editing protein complex, comprising also TNFAIP3, ITCH and TAX1BP1, that ensures the transient nature of inflammatory signaling pathways. Promotes the association of TNFAIP3 to RIPK1 after TNF stimulation. TNFAIP3 deubiquitinates 'Lys-63' polyubiquitin chains on RIPK1 and catalyzes the formation of 'Lys-48'-polyubiquitin chains. This leads to RIPK1 proteasomal degradation and consequently termination of the TNF- or LPS-mediated activation of NF-kappa-B. Recruits STAMBP to the E3 ubiquitin-ligase SMURF2 for ubiquitination, leading to its degradation by the 26S proteasome.
Research Articles on RNF11	**1.** data suggest for the first time that the choice of binding partners for SMURF2 can sustain or repress TGFbeta signaling, and RNF11 may promote TGFbeta-induced cell migration.
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