E3 Ubiquitin-Protein Ligase RNF14 (RNF14) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	E3 ubiquitin-protein ligase RNF14 (RNF14), Recombinant Protein
Full Product Name	Recombinant Human E3 ubiquitin-protein ligase RNF14 (RNF14)
Product Gene Name	RNF14 recombinant protein
Product Synonym Gene Name	RNF14
Sequence	MSSEDREAQE DELLALASIY DGDEFRKAES VQGGETRIYL DLPQNFKIFV SGNSNECLQN SGFEYTICFL PPLVLNFELP PDYPSSSPPS FTLSGKWLSP TQLSALCKHL DNLWEEHRGS VVLFAWMQFL KEETLAYLNI VSPFELKIGS QKKVQRRTAQ ASPNTELDFG GAAGSDVDQE EIVDERAVQD VESLSNLIQE ILDFDQAQQI KCFNSKLFLC SICFCEKLGS ECMYFLECRH VYCKACLKDY FEIQIRDGQV QCLNCPEPKC PSVATPGQVK ELVEAELFAR YDRLLLQSSL DLMADVVYCP RPCCQLPVMQ EPGCTMGICS SCNFAFCTLC RLTYHGVSPC KVTAEKLMDL RNEYLQADEA NKRLLDQRYG KRVIQKALEE MESKEWLEKN SKSCPCCGTP IEKLDGCNKM TCTGCMQYFC WICMGSLSRA NPYKHFNDPG SPCFNRLFYA VDVDDDIWED EVED
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	39,634 Da
Sequence Positions	1-474, 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	605675
3D Structure	ModBase 3D Structure for Q9UBS8
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RNF14 recombinant protein	This protein contains a RING zinc finger, a motif known to be involved in protein-protein interactions. This protein interacts with androgen receptor (AR) and may function as a coactivator that induces AR target gene expression in prostate. A dominant negative mutant of this gene has been demonstrated to inhibit the AR-mediated growth of prostate cancer. This protein also interacts with class III ubiquitin-conjugating enzymes (E2s) and may act as a ubiquitin-ligase (E3) in the ubiquitination of certain nuclear proteins. Five alternatively spliced transcript variants encoding two distinct isoforms have been reported.
Other Notes	Small volumes of RNF14 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 RNF14 purchase	MBS1470179 is a recombinant protein targeting RNF14. Also known as Recombinant Human E3 ubiquitin-protein ligase RNF14 (RNF14). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RNF14. It may not necessarily be applicable to this product.

NCBI GI #	318067966
NCBI GeneID	9604
NCBI Accession #	NP_001188294.1
UniProt Primary Accession #	Q9UBS8
UniProt Secondary Accession #	O94793; Q6IBV0; A0AV26; A6NMR2; A8MTW5; B3KN72; B7ZLV2; D3DQE4
UniProt Related Accession #	Q9UBS8
GenBank Nucleotide #	NM_001201365.1
NCBI Official Full Name	E3 ubiquitin-protein ligase RNF14 isoform 1
NCBI Official Synonym Full Names	ring finger protein 14
NCBI Official Symbol	RNF14
NCBI Official Synonym Symbols	ARA54; HFB30; TRIAD2; HRIHFB2038
UniProt Protein Name	E3 ubiquitin-protein ligase RNF14
UniProt Synonym Protein Names	Androgen receptor-associated protein 54; HFB30; RING finger protein 14; Triad2 protein
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	RNF14
UniProt Synonym Gene Names	ARA54
NCBI Protein Information	E3 ubiquitin-protein ligase RNF14
NCBI Summary for RNF14	The protein encoded by this gene contains a RING zinc finger, a motif known to be involved in protein-protein interactions. This protein interacts with androgen receptor (AR) and may function as a coactivator that induces AR target gene expression in prostate. A dominant negative mutant of this gene has been demonstrated to inhibit the AR-mediated growth of prostate cancer. This protein also interacts with class III ubiquitin-conjugating enzymes (E2s) and may act as a ubiquitin-ligase (E3) in the ubiquitination of certain nuclear proteins. Six alternatively spliced transcript variants encoding two distinct isoforms have been reported. [provided by RefSeq, Jan 2011]
UniProt Comments for RNF14	Might act as an E3 ubiquitin-protein ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes and then transfers it to substrates, which could be nuclear proteins. Could play a role as a coactivator for androgen- and, to a lesser extent, progesterone-dependent transcription.
Research Articles on RNF14	**1.** Ring Finger Protein 14 (RNF14) is a binding partner for all TCF/LEF transcription factors.
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