CXXC5 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	CXXC5, Recombinant Protein
Full Product Name	Recombinant Human CXXC5
Product Gene Name	CXXC5 recombinant protein
Product Synonym Names	CXXC finger 5; CXXC5; HSPC195; TCCCIA00297
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 85% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	24,072 Da
Sequence Positions	96-322
OMIM	612752
3D Structure	ModBase 3D Structure for Q7LFL8
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000rpm for 1 minute, reconstitute at 200ug/ml in sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for CXXC5 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for CXXC5 recombinant protein	MBS7613468 is a recombinant protein targeting CXXC5. Also known as Recombinant Human CXXC5. Host: E Coli.
Other Notes	Small volumes of CXXC5 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CXXC5. It may not necessarily be applicable to this product.

NCBI GI #	158261990
NCBI GeneID	51523
NCBI Accession #	NP_057547
UniProt Primary Accession #	Q7LFL8
UniProt Secondary Accession #	Q8TB79; Q9NV51; Q9P0S8; B3KND0; C8CBA8
UniProt Related Accession #	Q7LFL8
GenBank Nucleotide #	NM_016463.7

NCBI Official Full Name	CXXC-type zinc finger protein 5
NCBI Official Synonym Full Names	CXXC finger protein 5
NCBI Official Symbol	CXXC5
NCBI Official Synonym Symbols	CF5; WID; RINF; HSPC195
UniProt Protein Name	CXXC-type zinc finger protein 5
UniProt Synonym Protein Names	Putative MAPK-activating protein PM08; Putative NF-kappa-B-activating protein 102; Retinoid-inducible nuclear factor; RINF
Protein Family	CXXC-type zinc finger protein
UniProt Gene Name	CXXC5
UniProt Synonym Gene Names	CF5; RINF
UniProt Entry Name	CXXC5_HUMAN
NCBI Protein Information	CXXC-type zinc finger protein 5; CXXC finger 5 protein; retinoid-inducible nuclear factor; WT1-induced Inhibitor of Dishevelled; putative MAPK-activating protein PM08; putative NF-kappa-B-activating protein 102
UniProt Comments for CXXC5	CXXC5: May indirectly participate in activation of the NF- kappa-B and MAPK pathways. Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells. Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 5q31.2 Cellular Component: nucleoplasm; cytoplasm Molecular Function: signal transducer activity; DNA binding; zinc ion binding Biological Process: positive regulation of I-kappaB kinase/NF-kappaB cascade; signal transduction
Research Articles on CXXC5	**1.** targeting of CXXC5/RINF should be considered as a possible therapeutic strategy, especially in high-risk patients who show increased expression in AML cells compared with normal hematopoietic cells
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