Polycomb Group RING Finger Protein 5 (PCGF5) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polycomb group RING finger protein 5 (PCGF5), Recombinant Protein
Full Product Name	Recombinant Human Polycomb group RING finger protein 5 (PCGF5)
Product Gene Name	PCGF5 recombinant protein
Product Synonym Gene Name	PCGF5
Sequence	MATQRKHLVK DFNPYITCYI CKGYLIKPTT VTECLHTFCK TCIVQHFEDS NDCPRCGNQV HETNPLEMLR LDNTLEEIIF KLVPGLREQE LERESEFWKK NKPQENGQDD TSKADKPKVD EEGDENEDDK DYHRSDPQIA ICLDCLRNNG QSGDNVVKGL MKKFIRCSTR VTVGTIKKFL SLKLKLPSSY ELDVLCNGEI MGKDHTMEFI YMTRWRLRGE NFRCLNCSAS QVCSQDGPLY QSYPMVLQYR PRIDFG
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	5,779 Da
Sequence Positions	1-256, 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	617407
3D Structure	ModBase 3D Structure for Q86SE9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PCGF5 recombinant protein	MBS1348878 is a recombinant protein targeting PCGF5. Also known as Recombinant Human Polycomb group RING finger protein 5 (PCGF5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PCGF5 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 PCGF5. It may not necessarily be applicable to this product.

NCBI GI #	375065846
NCBI GeneID	84333
NCBI Accession #	NP_001243478.1
UniProt Primary Accession #	Q86SE9

UniProt Secondary Accession #	Q6PK47; Q86TD0; B7Z892; D3DR33
UniProt Related Accession #	Q86SE9
GenBank Nucleotide #	NM_001256549.1
NCBI Official Full Name	polycomb group RING finger protein 5
NCBI Official Synonym Full Names	polycomb group ring finger 5
NCBI Official Symbol	PCGF5
NCBI Official Synonym Symbols	RNF159
UniProt Protein Name	Polycomb group RING finger protein 5
UniProt Synonym Protein Names	RING finger protein 159
Protein Family	Polycomb group RING finger protein
UniProt Gene Name	PCGF5
UniProt Synonym Gene Names	RNF159
NCBI Protein Information	polycomb group RING finger protein 5
UniProt Comments for PCGF5	Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility (PubMed:26151332). Within the PRC1-like complex, regulates RNF2 ubiquitin ligase activity (PubMed:26151332). Plays a redundant role with PCGF3 as part of a PRC1-like complex that mediates monoubiquitination of histone H2A 'Lys-119' on the X chromosome and is required for normal silencing of one copy of the X chromosome in XX females ().
Research Articles on PCGF5	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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