# Polycomb Group RING Finger Protein 1 (pcgf1) Xenopus Tropicalis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Polycomb group RING finger protein 1 (pcgf1), Recombinant Protein |
| **Full Product Name** | Recombinant Xenopus tropicalis Polycomb group RING finger protein 1 (pcgf1) |
| **Product Gene Name** | pcgf1 recombinant protein |
| **Product Synonym Gene Name** | pcgf1 |
| **Sequence** | MASQGPLVIA MRLRNQLQSV YKMDPLRNEE VVKVKIKELN EHIVCYLCAG YFIDATTITE CLHTFCKSCI VKYLQTSKYC PLCNIKIHET QPLLNLKLDR VMQDIVYKLV PGLQENEDGR IRDFYHSRGL ERVLQPSAVE DSVGDVSQLS LSLAVSQKTS HYYRNDEHVC LCLEKVSSGK DKKKFILEQK YVRCSVRSEI RHLRRVLSHR LSAPLAHVQL LIDNKVLPDH MTMKQLWLTH WYGKPAPLVL LYSVREKRR |
| **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** | 30,106 Da |
| **Sequence Positions** | 1-259, 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. |
| **3D Structure** | ModBase 3D Structure for Q28H21 |
| **Species** | Xenopus tropicalis (Western clawed frog) (Silurana tropicalis) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for pcgf1 recombinant protein** | MBS1318983 is a recombinant protein targeting pcgf1. Also known as Recombinant Xenopus tropicalis Polycomb group RING finger protein 1 (pcgf1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of pcgf1 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 pcgf1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 350529343 |
| **NCBI GeneID** | 549171 |
| **NCBI Accession #** | NP_001016417.2 |
| **UniProt Primary Accession #** | Q28H21 |
| **UniProt Related Accession #** | Q28H21 |

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| **GenBank Nucleotide #** | NM_001016417.2 |
| **NCBI Official Full Name** | polycomb group RING finger protein 1 |
| **NCBI Official Synonym Full Names** | polycomb group ring finger 1 |
| **NCBI Official Symbol** | pcgf1 |
| **NCBI Official Synonym Symbols** | nspc1; rnf68; rnf3a-2 |
| **UniProt Protein Name** | Polycomb group RING finger protein 1 |
| **Protein Family** | Polycomb group RING finger protein |
| **UniProt Gene Name** | pcgf1 |
| **NCBI Protein Information** | polycomb group RING finger protein 1 |
| **UniProt Comments for pcgf1** | 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. |
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