

Datasheet for ABIN7562985
PCGF2 Protein (AA 1-342) (His tag)



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Overview

Quantity:	1 mg
Target:	PCGF2
Protein Characteristics:	AA 1-342
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCGF2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Pcgf2 Protein expressed in mammalian cells.
Sequence:	MHRTTRIKIT ELNPHLMCAL CGGYFIDATT IVECLHSFCK TCIVRYLETN KYCPMCDVQV HKTRPLLSIR SDKTLQDIVY KLVPGFLFKDE MKRRRDFYAA YPLTEVPNGS NEDRGEVLEQ EKGALGDDEI VLSIEFYEG VRDREEKKNL TENGDDGKEK TGVRFLRCPA AMTVMHLAKF LRNKMDVPSK YKVEILYEDE PLKEYYTLMD IAYIYPWRRN GPLPLKYRVQ PACKRLTLPT VPTPSEGTNT SGASECESVS DKAPSPATLP ATSSSLPSPA TPSHGSPSSH GPPATHPTSP TPPSTAAGTT TATNGGTSNC LQTPSSTSRG RKMTVNGAPC PP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PCGF2
Alternative Name:	Pcgf2 (PCGF2 Products)
Background:	<p>Polycomb group RING finger protein 2 (DNA-binding protein Mel-18) (Melanoma nuclear protein 18) (RING finger protein 110) (Zinc finger protein 144) (Zfp-144),FUNCTION: Transcriptional repressor (PubMed:8521824). Binds specifically to the DNA sequence 5'-GACTNGACT-3' (PubMed:8521824). Has tumor suppressor activity (PubMed:8521824). May play a role in control of cell proliferation and/or neural cell development (Probable). Regulates proliferation of early T progenitor cells by maintaining expression of HES1(PubMed:15728456). Also plays a role in antero-posterior specification of the axial skeleton and negative regulation of the self-renewal activity of hematopoietic stem cells (PubMed:8625838, PubMed:15183898).</p> <p>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. Within the PRC1-like complex, regulates RNF2 ubiquitin ligase activity (By similarity). {ECO:0000250 UniProtKB:P35227,</p>

Target Details

ECO:0000269|PubMed:11750047, ECO:0000269|PubMed:15183898,
ECO:0000269|PubMed:15728456, ECO:0000269|PubMed:8521824,
ECO:0000269|PubMed:8625838, ECO:0000305).

Molecular Weight: 37.7 kDa

UniProt: [P23798](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months