

Datasheet for ABIN7558879

PCGF3 Protein (AA 1-241) (His tag)



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Overview

Quantity:	1 mg
Target:	PCGF3
Protein Characteristics:	AA 1-241
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCGF3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PcgF3 Protein expressed in mammalien cells.
Sequence:	<p>MLTRKIKLWD INAHITCRLC SGYLIDATTV TECLHTFCRS CLVKYLEENN TCPTCRIVIH</p> <p>QSHPLQYIGH DRTMQDIVYK LVPGLQEAEM RKQREFYHKL GMEVPGDIKG EACSAQHLD</p> <p>PRNGETKADD NSNKETAEK QEEDNDYHRS DEQVSICLEC NSSKLRLGLKR KWIRCSAQAT</p> <p>VLHLKKFIAK KLNLSSEFNL DILCNEEILG KDHTLKFVVV TRWRFKKAPL LLHYRPMKMDL L</p> <p>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.</p> <p>In case you have a special request, please contact us.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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, Western Blot

Grade: custom-made

Target Details

Target: PCGF3

Alternative Name: PcgF3 ([PCGF3 Products](#))

Background: Polycomb group RING finger protein 3 (RING finger protein 3A),FUNCTION: 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:28596365). Within the PRC1-like complex, regulates RNF2 ubiquitin ligase activity (By similarity). Plays a redundant role with PCGF5 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 (PubMed:28596365). {ECO:0000250|UniProtKB:Q3KNV8, ECO:0000269|PubMed:28596365}.

Molecular Weight: 28.0 kDa

UniProt: [Q8BTQ0](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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