

Datasheet for ABIN7550839
POC1B Protein (AA 1-478) (His tag)



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Overview

Quantity:	1 mg
Target:	POC1B
Protein Characteristics:	AA 1-478
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POC1B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat POC1B Protein expressed in mammalian cells.
Sequence:	<p>MASATEDPVL ERYFKGHKAA ITSLDLSPNG KQLATASWDT FLMLWNFKPH ARAYRYVGHK DVVTSVQFSP HGNLLASASR DRTVRLWIPD KRGKFSEFKA HTAPVRSVDF SADGQFLATA SEDKSIKVWS MYRQRFLYSL YRHTHWVRCA KFSPDGR LIV SCSEDKTIKI WDTTNKQCVN NFSDSVGFAN FVDFNPSGTC IASAGSDQTV KVWDVVRV NKL LQHYQVHSGG VNCISFHPSG NYLITASSDG TLKILDLEGG RLIYTLQGHT GPVFTVSFSK GGELFASGGA DTQVLLWRTN FDELHCKGLT KRNLKRLHFD SPPHLLDIYP RTPHPHEEKV ETVEINPKLE VIDLQISTPP VMDILSFDST TTTETSGRTL PDKGEEACGY FLNPSLMSPE CLPTTTKTKT EDMSDLPCES QRSIPLAVTD ALEHIMEQLN VLTQTVSILE QRLTLTEDKL KDCLNQKQL FSAVQKKS 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.</p>

Product Details

Characteristics:

Key Benefits:

- 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, Western Blot

Grade:

custom-made

Target Details

Target:

POC1B

Alternative Name:

POC1B ([POC1B Products](#))

Background:

POC1 centriolar protein homolog B (Pix1) (Proteome of centriole protein 1B) (WD repeat-containing protein 51B),FUNCTION: Plays an important role in centriole assembly and/or stability and ciliogenesis (PubMed:20008567, PubMed:32060285). Involved in early steps of centriole duplication, as well as in the later steps of centriole length control (PubMed:19109428). Acts in concert with POC1A to ensure centriole integrity and proper mitotic spindle formation (PubMed:32060285). Required for primary cilia formation, ciliary length and also cell proliferation (PubMed:23015594). Required for retinal integrity (PubMed:25044745). {ECO:0000269|PubMed:19109428, ECO:0000269|PubMed:20008567, ECO:0000269|PubMed:23015594, ECO:0000269|PubMed:25044745, ECO:0000269|PubMed:32060285}.

Molecular Weight:

53.7 kDa

UniProt:

[Q8TC44](#)

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
