

Datasheet for ABIN7552927
CBY1/PGEA1 Protein (AA 1-126) (His tag)



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Overview

Quantity:	1 mg
Target:	CBY1/PGEA1 (CBY1)
Protein Characteristics:	AA 1-126
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CBY1/PGEA1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CBY1 Protein expressed in mammalian cells.
Sequence:	MPFFGNTFSP KKTPPRKSAS LSNLHSLDRS TREVGLLEY GSPTMNLGQ SLKFENGQWI AETGVSGGVD RREVQLRRR NQLEENNL LRLKVDILLD MLSESTAESH LMEKELDEL RISRKRK 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: <ul style="list-style-type: none">• 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.

Product Details

- 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:	CBY1/PGEA1 (CBY1)
Alternative Name:	CBY1 (CBY1 Products)
Background:	Protein chibby homolog 1 (ARPP-binding protein) (Cytosolic leucine-rich protein) (PGEA-14) (PKD2 interactor, Golgi and endoplasmic reticulum-associated 1),FUNCTION: Inhibits the Wnt/Wingless pathway by binding to CTNNB1/beta-catenin and inhibiting beta-catenin-mediated transcriptional activation through competition with TCF/LEF transcription factors. Has also been shown to play a role in regulating the intracellular trafficking of polycystin-2/PKD2 and possibly of other intracellular proteins. Promotes adipocyte and cardiomyocyte differentiation. {ECO:0000269 PubMed:12712206, ECO:0000269 PubMed:15194699}.
Molecular Weight:	14.5 kDa
UniProt:	Q9Y3M2

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