

Datasheet for ABIN7560415
TPGS1 Protein (AA 1-303) (His tag)



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Overview

Quantity:	1 mg
Target:	TPGS1
Protein Characteristics:	AA 1-303
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPGS1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tpgs1 Protein expressed in mammalian cells.
Sequence:	MAALPVPLPP TKMAAVEKRR PAVAPAAFP DSGRTSVSQA AAAAESEEDF LRQLGVTEML RAALLKVLEI RPEEPIAFLA HYFENMGLRS PTNGGAGEPP QLLLLQQRL GRALWHLRLA HHSQRTAFNN NVSVAYECLS ASGRKKKPGD DGRTYSELLK RVCRDGGAPE EVVAPLLRKI QCRDHEAVPL GIFRTGMLSC FVLLEFVARA GALFQLLEDP GQAVADRRVG QAVLDTLEGA LSAGDMATAP THYLEAGSRL GPDNLARALD RAASGRRPSV PMAREEFLEK AAALFIAKVK PVG 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:	TPGS1
Alternative Name:	Tpgs1 (TPGS1 Products)
Background:	Tubulin polyglutamylase complex subunit 1 (PGs1) (p32),FUNCTION: Subunit of the tubulin polyglutamylase complex (TPGC). The complex mediates cilia and flagella polyglutamylation which is essential for their biogenesis and motility (PubMed:12242242, PubMed:12972506, PubMed:15890843). May act in the targeting of the tubulin polyglutamylase complex. Required for the development of the spermatid flagellum. {ECO:0000269 PubMed:12242242, ECO:0000269 PubMed:12972506, ECO:0000269 PubMed:15890843}.
Molecular Weight:	32.6 kDa
UniProt:	Q99MS8

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