

Datasheet for ABIN7559968
IMPA2 Protein (AA 1-290) (His tag)



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Overview

Quantity:	1 mg
Target:	IMPA2
Protein Characteristics:	AA 1-290
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IMPA2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Impa2 Protein expressed in mammalian cells.
Sequence:	MKPSSEEEGE LVQGVGPWDE CFEVAVQLAL RAGQIIRKAL TEEKRVSTKT SAADLVTETD HRVEDLIVSE LRKRFPSHRF IAEEATASGA KCVLTHSPTW IIDPIDGTCN FVHRFPTVAV SIGFAVHQEL EFGVIHHCTE ERLYTGRRGQ GAFcNGQRLQ VSRETDLAKA LVLTEIGPKR DPDTLKVFLS NMERLLHAKA HGVRVIGSST LALCYLASGA ADAYYQFGLH CWDLAAATVI IREAGGIVID TSGGPLDLMS CRVVAAGTRE MAVLIAQALQ TINYGRDDEK 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:	IMPA2
Alternative Name:	Impa2 (IMPA2 Products)
Background:	Inositol monophosphatase 2 (IMP 2) (IMPase 2) (EC 3.1.3.25) (Inositol-1(or 4)-monophosphatase 2) (Myo-inositol monophosphatase A2),FUNCTION: Can use myo-inositol monophosphates, scylloinositol 1,4-diphosphate, glucose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates. Has been implicated as the pharmacological target for lithium Li(+) action in brain (By similarity). {ECO:0000250 UniProtKB:O14732}.
Molecular Weight:	31.7 kDa
UniProt:	Q91UZ5

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