

Datasheet for ABIN7548532
ISYNA1 Protein (AA 1-558) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ISYNA1
Protein Characteristics:	AA 1-558
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ISYNA1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ISYNA1 Protein expressed in mammalian cells.
Sequence:	MEAAAQFFVE SPDVVYGPEA IEAQYEYRTT RVSREGGVLK VHPTSTRFTF RTARQVPRLG VMLVGWGGNN GSTLTAAVLA NRLRLSWPTR SGRKEANYYG SLTQAGTVSL GLDAEGQEVF VPFSAVLPMV APNDLVFDGW DISSLNLAEA MRRAKVLDWG LQEQLWPHME ALRPRPSVYI PEFIAANQSA RADNLIPGSR AQQLEQIRRD IRDFRSSAGL DKVIVLWTAN TERFCEVIPG LNDAENLLR TIELGLEVSP STLFAVASIL EGCAFLNGSP QNTLVPGALE LAWQHRVFG GDDFKSGQTK VKSVLVDFLI GSGLKTMSIV SYNHLGNNDG ENLSAPLQFR SKEVSKSNVV DDMVQSNPVL YTPGEEPDC VVIKYVPYVG DSKRALDEYT SELMLGGTNT LVLHNTCEDS LLAAPIMLDL ALLTELCQRV SFCTDMDPEP QTFHPVLSLL SFLFKAPLVP PGSPVVNALF RQRSCIENIL RACVGLPPQN HMLLEHKMER PGPSLKRVP VAATYPMLNK KGPVPAATNG CTGDANGHLQ EPPMPTT 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.

Product Details

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:**

- 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: ISYNA1

Alternative Name: ISYNA1 ([ISYNA1 Products](#))

Background: Inositol-3-phosphate synthase 1 (IPS 1) (EC 5.5.1.4) (Myo-inositol 1-phosphate synthase) (MI-1-P synthase) (MIP synthase) (hIPS) (Myo-inositol 1-phosphate synthase A1) (hINO1),FUNCTION: Key enzyme in myo-inositol biosynthesis pathway that catalyzes the conversion of glucose 6-phosphate to 1-myo-inositol 1-phosphate in a NAD-dependent manner (PubMed:15024000, PubMed:23902760). Rate-limiting enzyme in the synthesis of all inositol-containing compounds (PubMed:15024000). {ECO:0000269|PubMed:15024000, ECO:0000269|PubMed:23902760}.

Molecular Weight: 61.1 kDa

UniProt: [Q9NPH2](#)

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
