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Datasheet for ABIN7552442
ATL1 Protein (AA 1-558) (His tag)

Overview

Quantity:	1 mg
Target:	ATL1
Protein Characteristics:	AA 1-558
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATL1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ATL1 Protein expressed in mammalian cells.
Sequence:	<p>MAKNRRDRNS WGGFSEKTYE WSSEEEEPVK KAGPVQVLIV KDDHSFELDE TALNRILLSE AVRDKEVVAV SVAGAFRKGK SFLMDFMLRY MYNQESVDWV GDYNEPLTGF SWRGGSERET TGIQIWSEIF LINKPDGKKV AVLLMDTQGT FDSQSTLRDS ATVVALSTMI SSIQVYNLSQ NVQEDDLQHL QLFTEYGRLA MEETFLKPFQ SLIFLVRDWS FPYEF SYGAD GGAKFLEKRL KVSGNQHEEL QNVRKHIHSC FTNISCFLLP HPGLKVATNP NFDGKLKEID DEFIKNLKIL IPWLLSPEL DIKEINGNKI TCRGLVEYFK AYIKIYQGEE LPHPKSMLQA TAEANNLAAV ATAKDTYNKK MEEICGGDKP FLAPNDLQTK HLQLKEESVK LFRGVKMMGG EEFSRRYLQQ LESEIDELYI QYIKHNDSKN IFHAARTPAT LFFVIFITYV IAGVTGFIGL DIASLCNMI MGLTLITLCT WAYIRYSGEY RELGAVIDQV AAALWDQGST NEALYKLYSA AATHRHLYHQ AFPTPKSEST EQSEKKKM 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

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: ATL1

Alternative Name: ATL1 ([ATL1 Products](#))

Background: Atlantin-1 (EC 3.6.5.-) (Brain-specific GTP-binding protein) (GTP-binding protein 3) (GBP-3) (hGBP3) (Guanine nucleotide-binding protein 3) (Spastic paraplegia 3 protein A),FUNCTION: GTPase tethering membranes through formation of trans-homooligomers and mediating homotypic fusion of endoplasmic reticulum membranes. Functions in endoplasmic reticulum tubular network biogenesis (PubMed:27619977). May also regulate Golgi biogenesis. May regulate axonal development. {ECO:0000269|PubMed:14506257, ECO:0000269|PubMed:17321752, ECO:0000269|PubMed:18270207, ECO:0000269|PubMed:19665976, ECO:0000269|PubMed:21220294, ECO:0000269|PubMed:23334294, ECO:0000269|PubMed:25751282, ECO:0000269|PubMed:27619977}.

Molecular Weight: 63.5 kDa

Target Details

UniProt: [Q8WXF7](#)

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