

Datasheet for ABIN7556040

VPS54 Protein (AA 1-977) (His tag)



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Overview

Quantity:	1 mg
Target:	VPS54
Protein Characteristics:	AA 1-977
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VPS54 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant VPS54 Protein expressed in mammalian cells.
Sequence:	<p>MASSHSSSPV PQGSSSDVFF KIEVDPSKHI RPVPSLPDVC PKEPTGDSHS LYVAPSLVTD</p> <p>QHRWTVYHSK VNLPAALNDP RLAKRESDFE TKTWGLDFVD TEVIPSFYLP QISKEHFTVY</p> <p>QQEISQREKI HERCKNICPP KDTFERTLLH THDKSRTDLE QVPKIFMKPD FALDDSLTFN</p> <p>SVLPWSHFNT AGGKGNRDAA SSKLLQEKLS HYLDIVEVNI AHQISLRSEA FFHAMTSQHE</p> <p>LQDYLRKTSQ AVKMLRDKIA QIDKVMCEGS LHILRLALTR NNCVKVYNKL KLMATVHQTQ</p> <p>PTVQVLLSTS EFVGALDLIA TTQEVLLQEL QGIHSFRHLG SQLCELEKLI DKMMIAEFST</p> <p>YSHSDLNRPL EDDCQVLEEE RLISLVFGLL KQRKLNFLFI YGEKMOVITAK NIIKQCVINK</p> <p>VSQTEEIDTD VVVKLADQMR MLNFPQWFDL LKDIKSKFTI FLQVRKATLN IISVVLVSVL</p> <p>DKNQRTRELE EISQQKNAAK DNSLDTEVAY LIHEGMFISD AFGEGETLPI AVDTTSQRNA</p> <p>SPNSEPCSSD SVSEPECTTD SSSSKEHTSS SAIPGGVDIM VSEDMKLTDS ELGKLANNIQ</p> <p>ELLYSASDIC HGRAVKFLMS RAKDGFLEKL NSMEFITLSR LMETFILDTE QICGRKSTSL</p> <p>LGALQSQAIAK FVNRFHEERK TKLSLLLDNE RWKQADVPAE FQDLVDSLSD GKIALPEKKS</p>

Product Details

GATEERKPAE VLIVEGQQYA VVGTVLLLR ILEYCQCVD NIPSVTTDML TRLSDLLKYF
NSRSCQLVLG AGALQVVLK TITTKNLALS SRCLQLIVHY IPVIRAHFEA RLPPKQYSML
RHFDHITKDY HDHIAEISAK LVAIMDSLFD KLLSKYEVKA PVPSACFRNI CKQMTKMHEA
IFDLLPEEQT QMLFLRINAS YKLHLKKQLS HLNVINDDGGP QNGLVTADVA FYTGNLQALK
GLKDLDLNMA EIWEQKR **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:**

- 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: VPS54

Alternative Name: VPS54 ([VPS54 Products](#))

Background: Vacuolar protein sorting-associated protein 54 (Hepatocellular carcinoma protein 8) (Tumor antigen HOM-HCC-8) (Tumor antigen SLP-8p),FUNCTION: Acts as a component of the GARP complex that is involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN). The GARP complex is required for the maintenance of the cycling of

Target Details

mannose 6-phosphate receptors between the TGN and endosomes, this cycling is necessary for proper lysosomal sorting of acid hydrolases such as CTSD (PubMed:18367545). Within the GARP complex, required to tether the complex to the TGN. Not involved in endocytic recycling (PubMed:25799061). {ECO:0000269|PubMed:18367545, ECO:0000269|PubMed:25799061}.

Molecular Weight: 110.6 kDa

UniProt: [Q9P1Q0](#)

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