

Datasheet for ABIN7556008

Syndetin/VPS50 Protein (AA 1-964) (His tag)



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Overview

Quantity:	1 mg
Target:	Syndetin/VPS50 (CCDC132)
Protein Characteristics:	AA 1-964
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Syndetin/VPS50 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant VPS50 Protein expressed in mammalian cells.
Sequence:	<p> MQKIKSLMTR QGLKSPQESL SDLGAIESLR VPGKEEFREL REQSPDPQAE QELINSIEQV YFSVDSFDIV KYELEKLPPV LNLQELEAYR DKLKQQQAAV SKKVADLILE KQPAYVKELE RVTSLQTGLQ LAAVICTNGR RHLNIAKEGF TQASLGLLAN QRKRQLLIGL LKSLRTIKTL QRTDVRLSEM LEEEDYPGAI QLCLECQKAA STFKHYSCIS ELNSKLQDTL EQIEEQLDVA LSKICKNFDI NHYTKVQQAY RLLGKTQTAM DQLHMHFTA IHNTVFQVVL GYVELCAGNT DTKFQKLQYK DLCTHVTPDS YIPCLADLCK ALWEVMLSYY RTMEWHEKHD NEDTASASEG SNMIGTEETN FDRGYIKKKL EHGLTRIWQD VQLKVKTYLL GTDLSIFKYD DFIFVLDIIS RLMQVGEEFC GSKSEVLQES IRKQSVNYFK NYHRTRLDEL RMFLENETWE LCPVKSNFSI LQLHEFKFME QSRSPSVSPS KQPVSTSSKT VTLFEQYCSG GNPFEIQANH KDEETEDVLA SNGYESDEQE KSAYQEYDSD SDVPEELKRD YVDEQTGDGP VKSVSRETLL SRKKS DYSLN KVNAPILTNT TLNVIRLVGK YMQMMNILKP IAFDVIHFMS QLFDYLYAI YTFFGRNDSL ESTGLGLSSS RLRTTLNRIQ ESLIDLEVSA DPTATLTAAE ERKEKVSPH LSHLVLTSG </p>

Product Details

DTLYGLAERV VATESLVFLA EQFEFLQPHL DAVMPAVKKP FLQQFYSQTV STASELRKPI
YWIVAGKALD YEQMLLLMAN VKWDVKEIMS QHNIYVDALL KEFEQFNRRLL NEVSKRVRIP
LPVSNILWEH CIRLANRTIV EGYANVKKCS NEGRALMQLD FQQFLMKLEK LTDIRPIPKD
EFVETIYKAY YLTENDMERW IKEHREYSTK QLTLNVNVCL GSHINKKARQ KLLAAIDDD RPKR

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: Syndetin/VPS50 (CCDC132)

Alternative Name: VPS50 ([CCDC132 Products](#))

Background: Syndetin (Coiled-coil domain-containing protein 132) (EARP/GARPII complex subunit VPS50),FUNCTION: Acts as a component of the EARP complex that is involved in endocytic recycling. The EARP complex associates with Rab4-positive endosomes and promotes recycling of internalized transferrin receptor (TFRC) to the plasma membrane. Within the EARP

Target Details

complex, required to tether the complex to recycling endosomes. Not involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN).
{ECO:0000269|PubMed:25799061}.

Molecular Weight: 111.2 kDa

UniProt: [Q96JG6](#)

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