

Datasheet for ABIN7564506
Strumpellin Protein (AA 1-1159) (His tag)



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Overview

Quantity:	1 mg
Target:	Strumpellin (WASHC5)
Protein Characteristics:	AA 1-1159
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Strumpellin protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Washc5 Protein expressed in mammalian cells.
Sequence:	MLDFLAENNL CGQAILRIVS CGNAIIAEVL RLSEFIPAVF LLKDRADQQR YGDIIFFDSY FKGPEFWESK LEAKPELQDL DEEFRENNIE IVTRFYLAHQ SVHKYIVDLN RYLDDLNEGV YIQQTLETVL LSEDGKQLLC EALYLYGVML LVIDQKIEGE VRERMLVSY RYSAARSSAD SNMDDICKLL RSTGYSSQPG AKRPPNYPES YFQRVPINET FISMVIGRLR SDDIYNQVSA YPLPEHRSTA LANQAAMLYV ILYFEPSILH THQAKMREIV DKYFPDNWVI SIYMGITVNL ADAWEPYKAA KTALNNTLDL ANVKEQASRY ASVSDRVRAQ VQQLKEGYL REEVLLDNIP RLLNCLRDCN VAIRWMLLHT ADSACDPNNK RLRQIKDQIL ADSRYNPKIL FQLLLDTAQF EFILKEMFKQ MLSEKQSKWE HYKKEGSERM TELADVFSGV KPLTRVEKNE NLQAWFREIS KQILSLNYDD STAAGRKTQV LIQALEEVQE FHQLESNLQV CQFLADTRKF LHQMIRTINI KEEVLITVQI IGDLSFAWQL IDSFTSIMQE SIRVNPSMVT KLRATFLKLA SALDPLLR NQANSPDLLS VSQYYSGELV SYVRKVLQII PESMFTSLLK IIKLQTHDIM EVPTRLDKDK LRDYAQLGPR YEVAKLTHAI SIFTEGILMM KTTLVGIIKV DPKQLLEDGI RKELVKRVA

Product Details

ALHRGLIFNP RAKPSELMPK LKELGATMDG FHRSFEYIQD YVSIYGLKIW QEEVSRIINY
NVEQECNNFL RTKIQDWQSM YQSTHIPIK FAPVDESITF IGRLCREILR ITDPKMTCYI
DQLNTWYDVK THQEVTSRL FSEIQTTLGT FGLNGLDRLL CFMIVKELQN FLSMFQKIIL
KERTVQETLK MLMSAVNPLK SIVANSSKVY LSAITKTQKI WSAYLEAIMK VGQMQLRQQ
IANELNSSCR FDSRHAAAAL DNLNKALLAD IEAHYRDPSL PYPKEDNTLL YEITAYLEAA
GIHNPLNKIY ITTKRLPYFP IVNFLFLIAQ LPKLQYNKNL GMVCRKPADP VDWPPVLVGL
LTLKQFHSR YTEQFLALIG QFIRSTMEQC TSQKMPEMPA DAVGALLFLE DYVRYTKLPR
RVAEAHVPNF IFDEFRTVL **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: Strumpellin (WASHC5)

Alternative Name: Washc5 ([WASHC5 Products](#))

Background: WASH complex subunit 5 (WASH complex subunit strumpellin),FUNCTION: Acts as a

Target Details

component of the WASH core complex that functions as a nucleation-promoting factor (NPF) at the surface of endosomes, where it recruits and activates the Arp2/3 complex to induce actin polymerization, playing a key role in the fission of tubules that serve as transport intermediates during endosome sorting. May be involved in axonal outgrowth. Involved in cellular localization of ADRB2. Involved in cellular trafficking of BLOC-1 complex cargos such as ATP7A and VAMP7 (By similarity). Involved in cytokinesis and following polar body extrusion during oocyte meiotic maturation (PubMed:24998208). {ECO:0000250|UniProtKB:Q12768, ECO:0000269|PubMed:24998208}.

Molecular Weight: 134.1 kDa

UniProt: [Q8C2E7](#)

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