

Datasheet for ABIN7548305
HPS6 Protein (AA 1-775) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HPS6
Protein Characteristics:	AA 1-775
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPS6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat HPS6 Protein expressed in mammalian cells.
Sequence:	MKRSGTLRL SDLSAFGGAA RLRELVAGDS AVRVRGSPDG RHLLLRPPG AVAPQLLVAS RGPGAELERA WPAGQPSPLD AFFLPWPAP ALVLVWESGL AEVWGAGVGP GWRPLQSTEL CPGGGARVVA VAALRGRLVW CEERQARAEG PSGSPAAAFS HCVCVRTLEP SGEASTSLGR THVLLHHCPA FGLLASCRQL FLVPTATTWP GVAHVLLIWS PGKGKVMVAA PRLGLSYSKS LNPGRGDTWD FRTLLRGLPG LLSPREPLAV HTWAPTQGL LLLDFGGTVS LLQSHGGTRA VGTLQEAPVG PWGSAALGTF QGTLCVLGS TLELLDMGSG QLLERKVLST DRVHLEPPA PGMEDEEELE TRGNLRLLSA LGLFCVGWEA PQGVELPSAK DLVFEEACGY YQRRSLRGAQ LTPEELRHSS TFRAPQALAS ILQGHLPSPA LLTMLRTEL DYRGLEQLKA QLVAGDDEEA GWTELAEQEV ARLLRTELIG DQLAQLNTVF QALPTAAWGA TLRALQLQLD GNGKLRSQAP PDVWKKVLGG ITAGKEPPNG ILPPFELLQ CLCQLEPRWL PPFVELAQQQ GGPGWGAGGP GLPLYRRALA VLGEETRPE ALELELLLSS GRPKAVLQAV GQLVQKEQWD RALDAGLALG

PSSPLLRLSEI FKLLLAEFQA HRRLLDAHLPL LCRLCPPELA PAELLLLLRT YLPDEVGPPT
PFPEPGAEP LTVGLLKALL EQTGAQGWLS GPVLSPLYEDI LWDPTSPPT PPRDL **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.

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.
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	HPS6
Alternative Name:	HPS6 (HPS6 Products)
Background:	BLOC-2 complex member HPS6 (Hermansky-Pudlak syndrome 6 protein) (Ruby-eye protein homolog) (Ru),FUNCTION: May regulate the synthesis and function of lysosomes and of highly specialized organelles, such as melanosomes and platelet dense granules (PubMed:17041891). Acts as a cargo adapter for the dynein-dynactin motor complex to mediate the transport of lysosomes from the cell periphery to the perinuclear region. Facilitates retrograde lysosomal trafficking by linking the motor complex to lysosomes, and perinuclear positioning of lysosomes is crucial for the delivery of endocytic cargos to lysosomes, for lysosome maturation and functioning (PubMed:25189619). {ECO:0000269 PubMed:17041891,

Target Details

ECO:0000269|PubMed:25189619}.

Molecular Weight: 83.0 kDa

UniProt: [Q86YV9](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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