

Datasheet for ABIN7554131
HPS5 Protein (AA 1-1129) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HPS5
Protein Characteristics:	AA 1-1129
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPS5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HPS5 Protein expressed in mammalian cells.
Sequence:	<p>MAFVPVIPES YSHVLAEFES LDPILLSALRL DSSRLKCTSI AVSRKWLALG SSGGGLHLIQ</p> <p>KEGWKHLRFL SHREGAISQV ACCLHDDDYV AVATSQGLVV VWELNQERRG KPEQMYVSSE</p> <p>HKGRRVTALC WDTAILRVFV GDHAGKVSAL KLNTSKQAKA AAFFVMFPVQ TITVDSCVV</p> <p>QLDYLDGRLL ISSLTRSFLC DTEREKFWKI GNKERDGEYG ACFFPGRCSG GQQPLIYCAR</p> <p>PGSRMWEVNF DGEVISTHQF KKLLSLPPLP VITLRSEPQY DHTAGSSQSL SFPKLLHLSE</p> <p>HCVLTWTERG IYIFIPQNVQ VLLWSEVKDI QDVAVCRNEL FCLHLNGKVS HLSLISVERC</p> <p>VERLLRRGLW NLAARTCCLF QNSVIASRAR KTLTADKLEH LKSQLDHGTY NDLISQLEEL</p> <p>ILKFEPLDSA CSSRRSSISS HESFSILDSG IYRISSRRG SQSDEDESCSL HSQTLSEDER</p> <p>FKEFTSQEE DLPDQCCGSH GNEDNVSHAP VMFETDKNET FLPGIPLPF RSPSPLVSLQ</p> <p>AVKESVSSFV RKTTEKIGTL HTSPDLKVRP ELRGDEQSCE EDVSSDTCPK EEDTEEEKEV</p> <p>TSPPEEDRF QELKVATAEA MTKLQDPLVL FESESLRMVL QEWSHLEKT FAMKDFSGVS</p>

DTDNSSMKLN QDVLLVNESK KGILDEDNEK EKRDSLGNEE SVDKTACECV RSPRESLDDL
FQICSPCAIA SGLRNDLAEL TTLCLELNLV NSKIKSTSGH VDHTLQQYSP EILACQFLKK
YFFLLNLKRA KESIKLSYSN SPSVWDTFIE GLKEMASSNP VYMEMEKGDL PTRLKLLDDE
VPFDSPLLWV YATRLEYKFG ESALRSLIKF FPSILPSDII QLCHHHPAEF LAYLDSL VKS
RPEDQRSSFL ELLQPESLR LDWLLAVSL DAPPSTSTMD DEGYPRPHSH LLSWGYSQLI
LHLIKLPADF ITKEKMTDIC RSCGFWPGYL ILCLELERRR EAFTNIVYLN DMSLMEGDNG
WIPETVEEWK LLLHLIQSKS TRPAPQESLN GSLSDGPSPI NVENVALLLA KAMGPDRAWS
LLQECGLALE LSEKFTRTCD ILRIAEKRQR ALIQSMLEKC DRFLWSQQA **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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

HPS5

Alternative Name:

HPS5 ([HPS5 Products](#))

Background:

BLOC-2 complex member HPS5 (Alpha-integrin-binding protein 63) (Hermansky-Pudlak syndrome 5 protein) (Ruby-eye protein 2 homolog) (Ru2),FUNCTION: May regulate the

Target Details

synthesis and function of lysosomes and of highly specialized organelles, such as melanosomes and platelet dense granules. Regulates intracellular vesicular trafficking in fibroblasts. May be involved in the regulation of general functions of integrins. {ECO:0000269|PubMed:15296495, ECO:0000269|PubMed:17301833}.

Molecular Weight: 127.4 kDa

UniProt: [Q9UPZ3](#)

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