

Datasheet for ABIN7563479

HPS5 Protein (AA 1-1126) (His tag)



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Overview

Quantity:	1 mg
Target:	HPS5
Protein Characteristics:	AA 1-1126
Origin:	Mouse
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 mammalien cells.
Sequence:	<p>MTFVPVPIEA YSHVLAEFES LDPLLTALRL DSSRLRCTSI AVSRKWLALG STGGGLNLIQ</p> <p>KDGWKQRLFL SHREGAISQI ACCSHDDDYV AVATSQGLVV VWELNQERRG KPERIHVSSE</p> <p>HKGRKVTALC WDTAVLRV FV GDHVGKVS AI KLNTLKQAKA AA AFVMFPVQ TVLTV DSCVV</p> <p>QLDYLDGRLL VSSLTRSFLC DTEREKFWKI GNKERHGEYG ACFFPGRCAG GQQPVIYCAR</p> <p>PGSRMWEVNF DGEVLSTHQF KKLLSMPPLP VITARSEPQY DHTVGSSQSL A FPKLLHLSE</p> <p>HCVLTWTEKG IYIFIPQNVQ VLLWSEVKDI QDVA VYKNEL FCLHFNGKIS HLSLLSVERC</p> <p>VERLLRRGLW DLAARTCCLF QNSIITSRAR KTLTADKLEH LKSQDLTAC SELISQLDDL</p> <p>ILRFEPLSA CSSRRSSISS HESFSILDSG IYRISSRRG SQSDE DSCSL HSQTFSEDER</p> <p>LKEFASHQEE EQPEQGCAN RNEESASHSP VMSEVDKSEA FLPFSIALPF RSPSPVL SLQ</p> <p>AVKDSVSSFV RKTTEKIGTL HGSP ELKEPF ESKDADRAHE EEVSAVTCPL EEDTEEKEIH</p> <p>QPPKEDRLQE LTAATAEAMT KLLDPLVLFE PKVLRMV LLE WLSQLEKTFA MKDFPGISNT</p>

SSPTVKSNLG AHLLGETEKR VLDEESGEGR RVSLVTEEAG GQITCDPVS N LSEPSADRF R
VCSPYAITNS LQRDLAELTT LCLELNVLT S AMESVGGHVD RASQQLSPEI LACRFLKKYF
FLDLKRAKE SIKLTYDSPC VWDTFVEGLK EMARSNPAYT ELEEGDLPTG LQLLDGSPV S
DSPLLI AFAT RLYDRFGESA LRACIKFYPS ISPSDIAQLC RHHPAQFLAY LDSLVKSRPE
DQWPSFLEFL LQPESLRLEW LLLAVSHDAP PSTSTVDDEG HPRPHSHLLS WGYSQLLLLL
IKLPADFTTK EKMTDICRSY GFWPGYLTLC LELERRREAF TNIVYLN DIS LMEGDNGWIP
ETLEEWKLLL HLLQTKSTRP APQESLNGSL SDGPAPINVE NVALLAKAM GPDRAW SLLQ
ECGLALELSE KFTRTCDILR IAERRQRALI QGMLEKCDRF LWSQQA **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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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 (Hermansky-Pudlak syndrome 5 protein homolog) (Ruby-eye protein 2) (Ru2),FUNCTION: May regulate the synthesis and function of lysosomes and of

Target Details

	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:0000250 UniProtKB:Q9UPZ3}.
Molecular Weight:	126.3 kDa
UniProt:	P59438

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