

Datasheet for ABIN7560338  
**HPS4 Protein (AA 1-671) (His tag)**



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## Overview

Quantity:	1 mg
Target:	HPS4
Protein Characteristics:	AA 1-671
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPS4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Hps4 Protein expressed in mammalien cells.
Sequence:	<p>MATTTTPPETK SAAWWNYFFL YDGSKVKGEG DPTRAGICYF YPPQTLLDQQ ELLCGQLAGV</p> <p>VRCLWDLSGT PPMLIRMRNL KFAIRADGDY LWALGCGVEI SDASCRQFLD QLIGFFHFYM</p> <p>GPVSLAYKSH PQEELSLQWD TSITQVLRST SESHRIFNAL WNLDRTKVEP LLLLKAALIL</p> <p>QTCQRSPHVL AGCILYKGLI VNSQLLPSLT AKVLLHQTVP ADQRLPGAGA APQETGAALP</p> <p>PDVQITSVFL SEEEVASLHE FPVEHETRLQ GSSVQYPPWD QSSPTQAEDA WASAAIPEPT</p> <p>PHDGACPSGS GADERLPRLE QECAGPTGLC TTACGQGSGL SSRLQKELCL SREELDSSEM</p> <p>HVSEAQEAFF PLPALGDLET LHSSHSAPTL PEDTAICSCS HPCPLERLPE SGRLGQLADL</p> <p>PLTNGQTQVP GTDPLPSSMP VALPPQHPVG VEPSVEPYGN GAQESHSAIP RSSRSPDSPG</p> <p>PSPSADRTGF KPSPSGRHAG LVPMNLYTHS VNGLVLSLLA EETLLSDTAA IEEVYHSSLA</p> <p>SLNGLEVHLK ETLPRDEASL TSSTYNFLHY DRIQSVLSAN LPLVTAPQDR RFLQAVNLMH</p> <p>SDFALLPMLY EMTIRNASTA VYACSSPAQE TYFQQLAPTA RSSGFPNPQD CAFSLAGKAK</p>

QKLLKHGVNL L **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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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:	HPS4
Alternative Name:	Hps4 ( <a href="#">HPS4 Products</a> )
Background:	<p>BLOC-3 complex member HPS4 (Hermansky-Pudlak syndrome 4 protein homolog) (Light-ear protein) (Le protein),FUNCTION: Component of the BLOC-3 complex, a complex that acts as a guanine exchange factor (GEF) for RAB32 and RAB38, promotes the exchange of GDP to GTP, converting them from an inactive GDP-bound form into an active GTP-bound form. The BLOC-3 complex plays an important role in the control of melanin production and melanosome biogenesis and promotes the membrane localization of RAB32 and RAB38.</p> <p>{ECO:0000250 UniProtKB:Q9NQG7}.</p>
Molecular Weight:	72.7 kDa
UniProt:	<a href="#">Q99KG7</a>

## 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.
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Restrictions:	For Research Use only
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## 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