

Datasheet for ABIN7548216
HBS1L Protein (AA 1-684) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HBS1L
Protein Characteristics:	AA 1-684
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HBS1L protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HBS1L Protein expressed in mammalian cells.
Sequence:	<p>MARHRNVRGY NYDEDFEDDD LYGQSVEDDY CISPSTAAQF IYSRRDKPSV EPVEEYDYED</p> <p>LKESSNSVSN HQLSGFDQAR LYSCLDHMRE VLGDVPDEI LIEAVLKNKF DVQKALSGVL</p> <p>EQDRVQSLKD KNEATVSTGK IAKGKPVDSQ TSRSESEIVP KVAKMTVSGK KQTMGFEVPG</p> <p>VSSEENGHSF HTPQKGPPIE DAIASSDVLE TASKSANPPH TIQASEEQSS TPAPVKKSGK</p> <p>LRQQIDVKAE LEKRQGGKQL LNLVVIGHVD AGKSTLMGHM LYLLGNINKR TMHKYEQESK</p> <p>KAGKASFAYA WVLDETGEER ERGVTMDVGM TKFETTTKVI TLMAPGHKD FIPNMITGAA</p> <p>QADVAVLVVD ASRGEFEAGF ETGGQTREHG LLVRSLGVTQ LAVAVNKMDQ VNWQQERFQE</p> <p>ITGKLGHFLK QAGFKESDVG FIPTSGLSGE NLITRSQSSE LTKWYKGLCL LEQIDSFKPP</p> <p>QRSIDKPFRL CVSDVFKDQG SGFCITGKIE AGYIQTGDRL LAMPPNETCT VKGITLHDEP</p> <p>VDWAAAGDHV SLTLVGMDII KINVCIFCG PKVPIKACTR FRARILIFNI EIPITKGFVP</p> <p>LLHYQTVSEP AVIKRLISVL NKSTGEVTKK KPKFLTKGQN ALVELQTQRP IALELYKDFK</p>

ELGRFMLRYG GSTIAAGVVT EIKE **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>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	HBS1L
Alternative Name:	HBS1L (HBS1L Products)
Target Type:	Viral Protein
Background:	<p>HBS1-like protein (EC 3.6.5.-) (ERFS),FUNCTION: GTPase component of the Pelota-HBS1L complex, a complex that recognizes stalled ribosomes and triggers the No-Go Decay (NGD) pathway (PubMed:21448132, PubMed:23667253, PubMed:27863242). The Pelota-HBS1L complex recognizes ribosomes stalled at the 3' end of an mRNA and engages stalled ribosomes by destabilizing mRNA in the mRNA channel (PubMed:27863242). Following mRNA extraction from stalled ribosomes by the SKI complex, the Pelota-HBS1L complex promotes recruitment of ABCE1, which drives the disassembly of stalled ribosomes, followed by degradation of damaged mRNAs as part of the NGD pathway (PubMed:21448132, PubMed:32006463). {ECO:0000269 PubMed:21448132, ECO:0000269 PubMed:23667253,</p>

Target Details

	ECO:0000269 PubMed:27863242, ECO:0000269 PubMed:32006463}.
Molecular Weight:	75.5 kDa
UniProt:	Q9Y450

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