Datasheet for ABIN7545914

SEH1L Protein (AA 1-360) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	SEH1L
Protein Characteristics:	AA 1-360
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEH1L protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SEH1L Protein expressed in mammalien cells.
Sequence:	MFVARSIAAD HKDLIHDVSF DFHGRRMATC SSDQSVKVWD KSESGDWHCT ASWKTHSGSV WRVTWAHPEF GQVLASCSFD RTAAVWEEIV GESNDKLRGQ SHWVKRTTLV DSRTSVTDVK FAPKHMGLML ATCSADGIVR IYEAPDVMNL SQWSLQHEIS CKLSCSCISW NPSSSRAHSP MIAVGSDDSS PNAMAKVQIF EYNENTRKYA KAETLMTVTD PVHDIAFAPN LGRSFHILAI ATKDVRIFTL KPVRKELTSS GGPTKFEIHI VAQFDNHNSQ VWRVSWNITG TVLASSGDDG CVRLWKANYM DNWKCTGILK GNGSPVNGSS QQGTSNPSLG STIPSLQNSL NGSSAGRKHS **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:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalien 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:	SEH1L
Alternative Name:	SEH1L (SEH1L Products)
Background:	Nucleoporin SEH1 (GATOR2 complex protein SEH1) (Nup107-160 subcomplex subunit SEH1) (SEC13-like protein),FUNCTION: Component of the Nup107-160 subcomplex of the nuclear pore complex (NPC). The Nup107-160 subcomplex is required for the assembly of a functional NPC (PubMed:15146057, PubMed:17363900). The Nup107-160 subcomplex is also required for normal kinetochore microtubule attachment, mitotic progression and chromosome segregation. This subunit plays a role in recruitment of the Nup107-160 subcomplex to the kinetochore (PubMed:15146057, PubMed:17363900). {ECO:0000269|PubMed:15146057, ECO:0000269|PubMed:17363900}., FUNCTION: As a component of the GATOR2 complex, functions as an activator of the amino acid-sensing branch of the mTORC1 signaling pathway (PubMed:25457612, PubMed:23723238, PubMed:27487210, PubMed:36528027, PubMed:35831510). The GATOR2 complex indirectly activates mTORC1 through the inhibition of the GATOR1 subcomplex (PubMed:23723238, PubMed:27487210, PubMed:36528027, PubMed:35831510). GATOR2 probably acts as an E3 ubiquitin-protein ligase toward GATOR1 (PubMed:36528027). In the presence of abundant amino acids, the GATOR2 complex mediates

Target Details

	ubiquitination of the NPRL2 core component of the GATOR1 complex, leading to GATOR1 inactivation (PubMed:36528027). In the absence of amino acids, GATOR2 is inhibited, activating the GATOR1 complex (PubMed:25457612, PubMed:26972053, PubMed:27487210). Within the GATOR2 complex, SEC13 and SEH1L are required to stabilize the complex (PubMed:35831510). {ECO:0000269|PubMed:23723238, ECO:0000269|PubMed:25457612, ECO:0000269|PubMed:26972053, ECO:0000269|PubMed:27487210, ECO:0000269|PubMed:35831510, ECO:0000269|PubMed:36528027}.
Molecular Weight:	39.6 kDa
UniProt:	Q96EE3
Pathways:	Maintenance of Protein Location

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

