

Datasheet for ABIN7562619
SHoc2/Sur8 Protein (AA 1-582) (His tag)



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Overview

Quantity:	1 mg
Target:	SHoc2/Sur8 (SHOC2)
Protein Characteristics:	AA 1-582
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHoc2/Sur8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Shoc2 Protein expressed in mammalian cells.
Sequence:	MSSSLGKEKD SKEKDPKVPS AKEREKESKA SGGFGKESKE KEPKAKGKDA KDGKKESSAA QPGVAFSVDN TIKRPNPAPG TRKKSSNAEV IKELNKREE NSMRLDLSKR SIHILPPSVK ELTQLTELYL YSNKLQSLPA EVGCLVNLMT LALSENSLTS LPDSDLNLKK LRMLDLRHNK LREIPSVVYR LDSLTTLYL R FNRITTV EKD IKNLPKLSML SIRENKIKQL PAEIGELCNL ITLDVAHNQL EHELPKEIGNC TQITNLDLQH NDLLDLPDTI GNLSSLNRLG LRYNRLSAIP RSLAKCSALE ELNLENNNIS TLPESLLSSL VKLNSLTLAR NCFQLYPVGG PSQFSTIYSL NMEHNRINKI PFGIFSRAKV LSKLNMKDNQ LTSPLDFGT WTSMV ELNLA TNQLTKIPED VSGLVSLEVL ILSNNLLKKL PHGLGNLRKL RELDLEENKL ESLPNEIAYL KDLQKLVLTN NQLSTLPRGI GHLTNLTHLG LGENLLTHLP EEIGTLENLE ELYLNDNP NL HSLPFELALC SKLSIMS IEN CPLSHLPPQI VAGGPSFIIQ FLKMQGPYRA MV 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

Product Details

request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: SHoc2/Sur8 (SHOC2)

Alternative Name: Shoc2 ([SHOC2 Products](#))

Background: Leucine-rich repeat protein SHOC-2 (Protein soc-2 homolog) (Protein sur-8 homolog),FUNCTION: Regulatory subunit of protein phosphatase 1 (PP1c) that acts as a M-Ras/MRAS effector and participates in MAPK pathway activation. Upon M-Ras/MRAS activation, targets PP1c to specifically dephosphorylate the 'Ser-259' inhibitory site of RAF1 kinase and stimulate RAF1 activity at specialized signaling complexes. {ECO:0000250|UniProtKB:Q9UQ13}.

Molecular Weight: 64.9 kDa

UniProt: [O88520](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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