

Datasheet for ABIN755532
SOS1 Protein (AA 1-1333) (His tag)



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Overview

Quantity:	1 mg
Target:	SOS1
Protein Characteristics:	AA 1-1333
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOS1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SOS1 Protein expressed in mammalien cells.
Sequence:	<p>MQAQQLPYEF FSEENAPKWR GLLVPALKKV QGQVHPTLES NDDALQYVEE LILQLLNMLC QAQPRSASDV EERVQKSFPH PIDKWAIADA QSAIEKRKRR NPLSLPVEKI HPLLKEVLGY KIDHQVSVYI VAVLEYISAD ILKLVGNVVR NIRHYEITKQ DIKVAMCADK VLMDMFHQDV EDINILSLTD EEPSTSGEQT YYDLVKAFMA EIRQYIRELN LIIKVFREPF VSNSKLFSAN DVENIFSRIV DIHEL SVKLL GHIEDTVEMT DEGSPHPLVG SCFEDLAEEL AFDPYESYAR DILRPGFHDR FLSQLSKPGA ALYLQSIGEG FKEAVQYVLP RLLLAPVYHC LHYFELLKQL EEKSEDQEDK ECLKQAITAL LNVQSGMEKI CSKSLAKRRL SESACRFYSQ QMKGKQLAIK KMNEIQKNID GWEGKDIGQC CNEFIMEGTL TRVGAKHERH IFLFDGLMIC CKSNHGQPRL PGASNAEYRL KEKFFMRKVQ INDKDDTNEY KHAFEILKD ENSVIFSAKS AEEKNNWMAA LISLQYRSTL ERMLDVTMLQ EEKEEQMRLP SADVYRFAEP DSEENIIFEE NMQPKAGIPI IKAGTVIKLI ERLTYHMYAD PNFVRTFLT YRSFCKPQEL LSLIIFERFEI PEPEPTEADR IAIENGDQPL</p>

SAELKRFRKE YIQPVQLRVL NVCRHWVEHH FYDFERDAYL LQRMEEFIGT VRGKAMKKWV
ESITKIIQRK KIARDNGPGH NITFQSSPPT VEWHISRPGH IETFDLLTLH PIEIARQLTL
LESDLYRAVQ PSELVGSVWT KEDKEINSPN LLKMIRHTTN LTLWFEKCIV ETENLEERVA
VVSRIIEILQ VFQELNNFNG VLEVVSAMNS SPVYRLDHTF EQIPSRQKKI LEEAHELSED
HYKKYLAKLR SINPPCVFFF GIYLTNILKT EEGNPEVLKR HGKELINFSK RRKVAEITGE
IQQYQNQPYC LRVESDIKRF FENLNPMGNS MEKEFTDYLF NKSLEIEPRN PKPLPRFPKK
YSYPLKSPGV RPSNPRPGTM RHPTPLQEP RKISYSRIPE SETESTASAP NSPRTPLTPP
PASGASSTTD VCSVFDSDHS SPFHSSNDTV FIQVTLPHGP RSASVSSISL TKGTDDEVVVP
PPVPPRRRPE SAPAESSPSK IMSKHLDSPP AIPPRQPTSK AYSPRYSISD RTSISDPPES
PPLPPREPV RTPDVFSSSP LHLQPPPLGK KSDHGNAFFP NSPSPFTPPP PQTPSPHGTR
RHLPSPLTQ EVDLHSIAGP PVPPRQSTSQ HIPKLPPKTY KREHHPMSH RDGPPLLENA HSS

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:

- 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, Western Blot

Grade:

custom-made

Target Details

Target:

SOS1

Target Details

Alternative Name:	SOS1 (SOS1 Products)
Background:	Son of sevenless homolog 1 (SOS-1),FUNCTION: Promotes the exchange of Ras-bound GDP by GTP (PubMed:8493579). Probably by promoting Ras activation, regulates phosphorylation of MAP kinase MAPK3 in response to EGF (PubMed:17339331). Catalytic component of a trimeric complex that participates in transduction of signals from Ras to Rac by promoting the Rac-specific guanine nucleotide exchange factor (GEF) activity (By similarity). {ECO:0000250 UniProtKB:Q62245, ECO:0000269 PubMed:17339331, ECO:0000269 PubMed:8493579}.
Molecular Weight:	152.5 kDa
UniProt:	Q07889
Pathways:	RTK Signaling , TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Hepatitis C , Signaling Events mediated by VEGFR1 and VEGFR2 , Signaling of Hepatocyte Growth Factor Receptor , BCR Signaling

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