

Datasheet for ABIN7555334
SAV1 Protein (AA 1-383) (His tag)



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Overview

Quantity:	1 mg
Target:	SAV1
Protein Characteristics:	AA 1-383
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAV1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SAV1 Protein expressed in mammalian cells.
Sequence:	<p>MLSRKKTNE VSKPAEVQ GK YVKKETSP LL RNLMP SFIRH GPTIP RRTDI CLPDSSP NAF</p> <p>STSGDVVSRN QSFLRTPIQR TPHEIMRRES NRLSAPSYLA RSLADVPREY GSSQSFVTEV</p> <p>SFAVENGDSG SRYYYSDNFF DGQRKRPLGD RAHEDYRYYE YNHDLFQRM P QNQGRHASGI</p> <p>GRVAATSLGN LTNHGSEDLP LPPGWSVDWT MRGRKYYIDH NTNTTHWSHP LEREGLPPGW</p> <p>ERVESSEFGT YYVDHTNKKA QYRHPCAPSV PRYDQPPPVT YQPQQTERNQ SLLVPANPYH</p> <p>TAEIPDWLQV YARAPVKYDH ILKWELFQLA DLDTYQGMLK LLFMKELEQI VKMYEAYRQA</p> <p>LLTELENRKQ RQQWYAQQHG KNF 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.</p>
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:

Product Details

- 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:	SAV1
Alternative Name:	SAV1 (SAV1 Products)
Background:	<p>Protein salvador homolog 1 (45 kDa WW domain protein) (hWW45),FUNCTION: Regulator of STK3/MST2 and STK4/MST1 in the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. SAV1 is required for STK3/MST2 and STK4/MST1 activation and promotes cell-cycle exit and terminal differentiation in developing epithelial tissues. Plays a role in centrosome disjunction by regulating the localization of NEK2 to centrosomes, and its ability to phosphorylate CROCC and CEP250. In conjunction with STK3/MST2, activates the transcriptional activity of ESR1 through the modulation of its phosphorylation.</p> <p>{ECO:0000269 PubMed:16930133, ECO:0000269 PubMed:19212654,</p>

Target Details

	ECO:0000269 PubMed:21076410, ECO:0000269 PubMed:21104395}.
Molecular Weight:	44.6 kDa
UniProt:	Q9H4B6
Pathways:	Stem Cell Maintenance

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