

Datasheet for ABIN7555665
STOX1 Protein (AA 1-989) (His tag)



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Overview

Quantity:	1 mg
Target:	STOX1
Protein Characteristics:	AA 1-989
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STOX1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant STOX1 Protein expressed in mammalian cells.
Sequence:	MARPVQLAPG SLALVLCRLE AQKAAGAAEE PGGRAVFRAF RRANARCFWN ARLARAASRL AFQGWLRRGV LLVRAPPAQL QVLRDAWRRR ALRPPRGFRI RAVGDVFPVQ MNPITQSQFV PLGEVLCCAI SDMNTAQIVV TQESLLERLM KHYPGIAIPS EDILYTTLGT LIKERKIYHT GEGYFIVTPQ TYFITNTTTQ ENKRMLPSDE SRLMPASMTY LVSMESCAES AQENAAPISH CQSCQCFRDM HTQDVQEAPV AAEVTRKSHR GLGESVSWVQ NGAVSVSAEH HICESTKPLP YTRDKEKGKK FGFSLLRSL SRKEKPKTEH SSFSAQFPPE EWPVRDEDDL DNIPRDVEHE IIKRINPILT VDNLIKHTVL MQKYEEQKKY NSQGTSTDML TIGHKYPSKE GVKKRQGLSA KPQGQGHSSRR DRHKARNQGS EFQPGSIRLE KHPKLPATQP IPRIKSPNEM VGQKPLGEIT TVLGSHLIYK KRISNPFQGL SHRGSTISK HKIQKTSDLK PSQTGPKEKP FQKPRSLDSS RIFDGKAKEP YAEQPNDKME AESIYINDPT VKPINDDFRG HLFSHPPQSM LQNDGKCCPF MESMLRYEVY GGENEVIPEV LRKSHSHFDK LGETKQTPHS LPSRGASFSD RTPSACRLVD NTIHQFQNLG LLDYPVGVNP LRQAARQDKD SEELLRKGfV QDAETTSLEN EQLSNDQAL

Product Details

YQNEVEDDDG ACSSLYLEED DISENDDLRLQ MLPGHSQYSF TGGSQGNHLG KQKVIERSLT
EYNSTMERVE SQVLKRNECY KPTGLHATPG ESQEPNLSAE SCGLNSGAQF GFNYEEEPSV
AKCVQASAPA DERIFDYSA RKASFEAEVI QDTIGDTGKK PASWSQSPQN QEMRKHFPQK
FQLFNTSHMP VLAQDVQYEH SHLEGTENHS MAGDSGIDSP RTQSLGSNNS VILDGLKRRQ
NFLQNVEGTK SSQPLTSNSL LPLTPVINV **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.**

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: STOX1

Alternative Name: STOX1 ([STOX1 Products](#))

Background: Storkhead-box protein 1 (Winged-helix domain-containing protein),FUNCTION: Involved in regulating the levels of reactive oxidative species and reactive nitrogen species and in mitochondrial homeostasis in the placenta (PubMed:24738702). Required for regulation of

Target Details

inner ear epithelial cell proliferation via the AKT signaling pathway (By similarity).
{ECO:0000250|UniProtKB:B2RQL2, ECO:0000269|PubMed:24738702}., FUNCTION: [Isoform A]:
Involved in cell cycle regulation by binding to the CCNB1 promoter, up-regulating its expression
and promoting mitotic entry (PubMed:22253775). Induces phosphorylation of MAPT/tau
(PubMed:22995177). {ECO:0000269|PubMed:22253775, ECO:0000269|PubMed:22995177}.

Molecular Weight: 111.0 kDa

UniProt: [Q6ZVD7](#)

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