

Datasheet for ABIN7562049

STOX1 Protein (AA 1-990) (His tag)



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Overview

Quantity:	1 mg
Target:	STOX1
Protein Characteristics:	AA 1-990
Origin:	Mouse
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:	<p>MARPVQLAPG SLALVLSPRE AGQAAGEPGG RALFRAFRRR NARCFWNARL ARAASRLAFL</p> <p>GWLRRGVLLV RAPQPCVQVL RDAWRRRRALR PPRGFRITAV GDVFPVQMSP IAQCRFVPLA</p> <p>EVLCCAIADM NAAQVMVTQQ SLLEHLIKHY PGIAVSPDI LYSTLGALIQ ERKIYHTGEG</p> <p>YFIVTPSTYF ITNTPMQGNK SALLSNEGCS GPTSGTYLVS VDCCAEPTE NEALFSHCPS</p> <p>CQCYPDTSMC DSKDLLTAAE VTRKSQEGLE ETTALTENQV VSASEDTHIC VNPKPLPYTK</p> <p>DKGKRFGFGF LWRSLSRKEK PKAEYHSFSA QFPPEEWPVR DEDSSTKIPR DVEHALIKRI</p> <p>NPVLTVDNLT KHTALMQKYE EQKKYNSQGT SMDILTTRHK DSSKEVIGKR QGQFAKSRRR</p> <p>GSSHKGRHKA RSQGSELEPG NPGQEKEKQP KVPAAQPAPR TKSPSEQVHH LQGRNPAVLG</p> <p>SHLIYKKQIN NPFQGMHLRK HSVSKGHAVQ KTHGLKPTCV GPEEKPFWSA GSSDPGSGVFD</p> <p>GEAQPPYPEQ CRDKLEAGST QVAKAPVHPV SDDFRGGPGN YPPRRVLP GP SRCCSFRESM</p> <p>LRPGVYHEEN KDLPEVLRKS WSTCDMFLGT KEKKQALPAQ RCSLDPDSSS VHAEDKTVDK</p> <p>ILHQFQNLGL LDCPAGANRL ROTHERQDGNS EELSRKALQI PEAEIVNMEN EGLSDSEQDQ</p>

Product Details

VALSHSDPGA GDDGGCSSLC LEDDDFSETD DFCPSLPGHT QHSFAGGGTW NHLGTPAMTG
KSLTDCNSKA HRLELLAIER NPWYKATGLF SNAGESPNPD LSDNPGQNSR IPWGFNYEGE
PTVAHVQTPA AAAGRSLAC STVRTTSFPV EILQESPGDR GKSPIVWRQS LPSQEMKEHF
TDKLQLVKTS HGPVSAQEPQ GEHLEGTENY SMTGDSGIDS PRTQSLVSTN SAILDGFKRR
QHFLPNREGV QKSQNLASNS LFQLTPAINV **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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,FUNCTION: Involved in regulating the levels of reactive oxidative species and reactive nitrogen species and in mitochondrial homeostasis in the placenta (By similarity). Required for regulation of inner ear epithelial cell proliferation via the AKT signaling

Target Details

pathway (PubMed:25677106). Involved in cell cycle regulation by binding to the CCNB1 promoter, up-regulating its expression and promoting mitotic entry (By similarity). Induces phosphorylation of MAPT/tau (By similarity). {ECO:0000250|UniProtKB:Q6ZVD7, ECO:0000269|PubMed:25677106}.

Molecular Weight: 108.9 kDa

UniProt: [B2RQL2](#)

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