

Datasheet for ABIN7553926

FOXM1 Protein (AA 1-763) (His tag)



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Overview

Quantity:	1 mg
Target:	FOX M1
Protein Characteristics:	AA 1-763
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FOXM1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat FOXM1 Protein expressed in mammalian cells.
Sequence:	<p>MKTSPRRPLI LKRRRLPLPV QNAPSETSEE EPKRSPAQQE SNQAEASKEV AESNSCKFPA</p> <p>GIKIINHPTM PNTQVVAIPN NANIHSIITA LTAKGKESGS SGPKNFILIS CGGAPTQPPG</p> <p>LRPQTQTSYD AKRTEVTLET LGPKPAARDV NLPRPPGALC EQKRETCADG EAAGCTINNS</p> <p>LSNIQWLRKM SSDGLGSRSI KQEMEEKENC HLEQRQVKVE EPSRPSASWQ NSVSERPPYS</p> <p>YMAMIQFAIN STERKRMTLK DIYTWIEDHF PYFKHIAKPG WKNSIRHNLS LHDMFVRETS</p> <p>ANGKVSFWTI HPSANRYLTL DQVFKPLDPG SPQLPEHLES QKRPNPPELR RNMTIKTELP</p> <p>LGARRKMKPL LPRVSSYLVP IQFPVNQSLV LQPSVKVPLP LAASLMSEL ARHSKRVRIA</p> <p>PKVLLAEEGI APLSSAGPGK EEKLLFGEGF SPLLPVQTIK EEEIQPGEEM PHLARPIKVE</p> <p>SPPLEEWSPSP APSFKESSH SWEDSSQSPT PRPKSYSGL RSPTRCVSEM LVIQHRERRE</p> <p>RSRSRRKQHL LPPCVDEPEL LFSEGPSTSR WAAELPFPAD SSDPASQLSY SQEVGGPFKT</p> <p>PIKETLPISS TPSKSVLPRT PESWRLTPPA KVGGLDFSPV QTSQGASDPL PDPLGLMDLS</p>

Product Details

TTPLQSAPPL ESPQRLLSSE PLDLISVPFG NSSPSDIDVP KPGSPEPQVS GLAANRSLTE
GLVLDTMNDS LSKILLDISF PGLDEDPLGP DNINWSQFIP ELQ **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:	<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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	FOX M1
Alternative Name:	FOX M1 (FOX M1 Products)
Background:	<p>Forkhead box protein M1 (Forkhead-related protein FKHL16) (Hepatocyte nuclear factor 3 forkhead homolog 11) (HFH-11) (HNF-3/fork-head homolog 11) (M-phase phosphoprotein 2) (MPM-2 reactive phosphoprotein 2) (Transcription factor Trident) (Winged-helix factor from INS-1 cells),FUNCTION: Transcription factor regulating the expression of cell cycle genes essential for DNA replication and mitosis (PubMed:19160488, PubMed:20360045). Plays a role in the control of cell proliferation (PubMed:19160488). Also plays a role in DNA break repair, participating in the DNA damage checkpoint response (PubMed:17101782). Promotes transcription of PHB2 (PubMed:33754036). {ECO:0000269 PubMed:17101782,</p>

Target Details

	ECO:0000269 PubMed:19160488, ECO:0000269 PubMed:20360045, ECO:0000269 PubMed:33754036}.
Molecular Weight:	84.3 kDa
UniProt:	Q08050
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

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