

Datasheet for ABIN7564485

MASTL Protein (AA 1-865) (His tag)



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Overview

Quantity:	1 mg
Target:	MASTL
Protein Characteristics:	AA 1-865
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MASTL protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mastl Protein expressed in mammalian cells.
Sequence:	<p>MESASASEEN EGGAIEECV SRIPVPRPPS IEEFTIVKPI SRGAFGKVYL GQKGGKLYAV</p> <p>KVVKKADMIN KNMTHQVQAE RDALALSKSP FVVHLYYSLQ SASNIYLIME YLIGGDVKSL</p> <p>LHIYGYFDEE MAIKYISEVA LALDYLHRHG IHRDLKPDN MLISNEGHIK LTDFGLSKVT</p> <p>LNRDINMMDI LTPSMSKPK QDYSRTPGQV LSLISLGFF TPVGEKDQDS ANMFSAPKSA</p> <p>AQLSRGFICP MSVDQKEPTS YSSKLLKSCF ETLSSNPEIP VKCLTSNLLQ CRKRLGTSST</p> <p>SSQSHTFVSS VESECHSNPK WERDCQSTES SGCAMSWNAV EMLYAKSTSA IKTKTELELA</p> <p>LSPIHDSSAI PAAGSNQVTL PRKCFREISW EARDPDNENM TIDKGQSGFC QSSQRSVNSS</p> <p>ATSEEHLGKR NYKRNHFLVD SSPCQEIMQS KKNCTEYEAN KERQGCRANQ STGLTTEVQN</p> <p>LKLSGCESQQ LDYANKENIV TYLTDRQTPE KLHIPTIAKN LMSELDDECE LSSKKDCLSS</p> <p>NSVCSDERA LKTTTCVSDS SFPGVSMMS SLEIQALEPD KSIRDYSFEE PNTEDLFVLP</p> <p>KCQENSLPQD DCHACIQDSS QVSAHPSKAP KALTSKINVV AFRSFNSHIN ASTNSEPSKI</p>

SITSLDAMDI SCDYSGSYPM AVSPTEKGRH YTSHQTPNQV KLGTSYRTPK SVRRGAAPVD
DGRILGTPDY LAPELLLGTA HGPVDWWAL GVCLFEFLTG IPPFNDETQ QVFQNILKRD
IPWPEGEEKL SDNAQSAMDM LLTIDDSKRA GMRELKQHPL FSEVDWENLQ HQTMPFVPQP
DDETDSYFE ARNNAQHLLTI SGFSL **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
Grade:	custom-made

Target Details

Target:	MASTL
Alternative Name:	Mastl (MASTL Products)
Background:	Serine/threonine-protein kinase greatwall (GW) (GWL) (EC 2.7.11.1) (Microtubule-associated serine/threonine-protein kinase-like) (MAST-L),FUNCTION: Serine/threonine kinase that plays a key role in M phase by acting as a regulator of mitosis entry and maintenance. Acts by promoting the inactivation of protein phosphatase 2A (PP2A) during M phase: does not directly inhibit PP2A but acts by mediating phosphorylation and subsequent activation of ARPP19 and ENSA at 'Ser-62' and 'Ser-67', respectively. ARPP19 and ENSA are phosphatase inhibitors that specifically inhibit the PPP2R2D (PR55-delta) subunit of PP2A. Inactivation of PP2A during M

Target Details

phase is essential to keep cyclin-B1-CDK1 activity high. Following DNA damage, it is also involved in checkpoint recovery by being inhibited (By similarity). {ECO:0000250, ECO:0000269|PubMed:21156286}.

Molecular Weight: 96.0 kDa

UniProt: [Q8C0P0](#)

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