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Datasheet for ABIN7565161

MAGE-Like 2 Protein (MAGEL2) (AA 1-1284) (His tag)

Overview

Quantity:	1 mg
Target:	MAGE-Like 2 (MAGEL2)
Protein Characteristics:	AA 1-1284
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAGE-Like 2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Magel2 Protein expressed in mammalien cells.
Sequence:	<p>MSQLSTNLGD SSPPEPVPA VHSRPTVLMR APPASSRAPP VPWDPPPVDL QAPMAAWQAP QPAWEAPEGQ LPAPVAQLAQ PPGLGAPMVQ APPLGGGMAK PPTPGVLMVH QPPPGAPMAQ SSTPGVLMHLH PSVTGAPLAH PPPPGTPMTH PPGTSMHPP PPPPPPPPP PPGTPMTHPP PPGTPMGHHP PPGNPMTHPP PGNPMVHPLT HGAPMVHGGP HGTPMPHVPI TGTPIAQQPT PGVLMQAQLT PGVLMVQPPA PGAPMVQPPP QAALMTQPAP SITPMAKPPG PGVVMIHPPG ARGPIIQTPV SGAPMAQTVL PPGQPLATWA PQQQPLILQI QSQVIRAPPQ VPSVPQAPQV QLATPPGWQA TTPNWQVTPQ GWPATPLTWQ ATQVTWQAPT IAWQATQPGR QGHSTIRTGH TPIRPGPAPL LRQIPPMIRQ IQPVMRQAPP LIRQVPIRPA PHGIASQPQL WQVLPPPPPL RQAPQARLLL PRVPGTGQVS TVPPVAQIHL VPQSGPQVPQ TVLPAQLSIP IPVPQAAAQS APRTVHCPII IWQAPKGQAP VPQELPVPQE LPVPQELPVP QEVVPVQEIP VPQEIPVPQE LPVPQELPVP QELPVPQELP VPQELPVPQE LPVPQELPVP QELPVPLEFQ EVQQAQAVGW</p>

RAPKVPPHFW QPVSAQEAQE QATQIAHVEQ QQPFQGAPAS SKALQTQLPT HQAQASGLQA
ELPSVQLQPS WQGPLPMLQA QPGASATLAN FPRGSTRSRM APSGEPGPSS LEPRGPPRER
RAPARDKKGP PKERMFIGAT FCAPRGASAS RAYVPTAWKN LPATSETFPA TSRVFPSTSH
FQPASSNAFR GPSAASESPK SLPFALQDPY ACVEALPAVP WVPYDPGNAS SACKSVPAIL
MVAAPQAS ATAAEASKSS EPPRRPGKAT RKKKHLEPKE DNCGHRLLSSR DWRRGPRTWGN
PSHSDWEIQR AMQLLDRES LYTPQGLNDW GCPNTRMMPR SLEGPSTSRD QEFCGDSGGG
QTMASEVPS VSRGSSAAQE DPDRESQPLS PLDERANALV QFLLVKDQAK VPVQLSEMVN
VVIREYKDDS LDIINRANTK LECTFGCQLK EVDTKHTYI IVNKMAYPQC NLLASYLERP
KFSLLMVVLS LIFMKGYCIR ENLLFSFLFQ LGLDVQETSG LFRITKKLIT SVFVRHRYLE
YRQIPFTEPA EYELLWGPRA FLETNRVHIL RFLAALYENQ PQIWSCQYLD SLAELEYKDA
NAAAEESHDS DDDAHDPTSS PHPH **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:

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, Western Blot

Grade:

custom-made

Target Details

Target:

MAGE-Like 2 (MAGEL2)

Alternative Name:

Magel2 ([MAGEL2 Products](#))

Target Details

Background: MAGE-like protein 2 (Protein nS7),FUNCTION: Probably enhances ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases, possibly through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex. Acts as a regulator of retrograde transport via its interaction with VPS35. Recruited to retromer-containing endosomes and promotes the formation of 'Lys-63'-linked polyubiquitin chains at 'Lys-220' of WASHC1 together with TRIM27, leading to promote endosomal F-actin assembly (By similarity). Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-BMAL1 heterodimer. Significantly promotes the cytoplasmic accumulation of CLOCK (PubMed:22208286). {ECO:0000250|UniProtKB:Q9UJ55, ECO:0000269|PubMed:22208286}.

Molecular Weight: 138.0 kDa

UniProt: [Q9QZ04](#)

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