

Datasheet for ABIN7554468

## MAGE-Like 2 Protein (MAGEL2) (AA 1-1249) (His tag)



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### Overview

Quantity:	1 mg
Target:	MAGE-Like 2 (MAGEL2)
Protein Characteristics:	AA 1-1249
Origin:	Human
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 mammalian cells.
Sequence:	<p>MSQLSKNLGD SSPPAEAPKP PVYSRPTVLM RAPPASSRAP PVPWDPPPID LQASLAAWQA</p> <p>PQPAWEAPQG QLPAPVPMPT QPPALGGPIV PAPPLGGPMG KPPTPGVLMV HPPPPGAPMA</p> <p>QPPTPGVLMV HPSAPGAPMA HPPPPGTPMS HPPPPGTPMA HPPPPGTPMA HPPPPGTPMV</p> <p>HPPPPGTPMA HPPPPGTPMA HPPPPGTPMA HPPPPGTPMA HPPPPGTPMA QPPAPGVLMA</p> <p>QPLTPGVLMV QPAAPGAPMV QPPPAAMMTQ PQPSGAPMAK PPGPGVLMIH PPGARAPMTQ</p> <p>PPASGAPMAQ PAAPPAQPMA PPAQPMASWA PQAQPLILQI QSQVIRAPPQ VPQGPQAPPA</p> <p>QLATPPGWQA TSPGWQATQQ GWQATPLTWQ TTQVTWQAPA VTWQVPPPMR QGPPPIRPGP</p> <p>PPIRPGPPPV RQAPPLIRQA PPVIRQAPPV IRQAPPVIRQ APAVIRQAPP VIRQAPPVIR</p> <p>QAPPVIRQAP PLIRQAPPPI RPAPQVLATQ PPLWQALPPP PPLRQAPQAR LPAPQVQAAP</p> <p>QVPTAPPATQ VPAAPPAGPQ VPQPVLPAPL SAPLSAPQAV HCPSIIWQAP KGQPPVPHEI</p> <p>PTSMEFQEVQ QTQALAWQAQ KAPTHIWQPL PAQEAQRQAP PLVQLEQPFQ GAPPSQKAVQ</p>

IQLPQQQAQA SGPQAEVPTL PLQPSWQAPP AVLQAQPGPP VAAANFPLGS AKSLMTPSGE  
CRASSIDRRG SSKERRTSSK ERRAPSKDRM IFAATFCAPK AVSAAAHLP AAWKNLPATP  
ETFAPSSSVF PATSQFQPAS LNAFKGPSAA SETPKSLPYA LQDPFACVEA LPAVPWVPQP  
NMNASKASQA VPTFLMATAA APQATATTQE ASKTSVEPPR RSGKATRKKK HLEAQEDSRG  
HTLAFHDWQG PRPWENLNL DWEVQSPIQV SGDWEHPNTP RGLSGWEGPS TSRILSGWEG  
PSASWALSAW EGPSTRALG LSESPGSSLP VVSEVASVS PGSSATQDNS KVEAQPLSPL  
DERANALVQF LLVKDQAKVP VQRSEMVKVI LREYKDECLD IINRANNKLE CAFGYQLKEI  
DTKNHAYIII NKLGYHTGNL VASYLDRPKF GLLMVVLSLI FMKGNCVRED LIFNFLFKLG  
LDVRETNGLF GNTKKLITEV FVRQKYLEYR RIPPYTEPAEY EFLWGPRAFL ETSKMLVLRF  
LAKLHKKDPQ SWPFHYLEAL AECEWEDTDE DEPDTGDSAHA GPTSRPPPR **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.**

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### 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.

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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

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### Target:

MAGE-Like 2 (MAGEL2)

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### Alternative Name:

MAGEL2 ([MAGEL2 Products](#))

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## Target Details

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Background: MAGE-like protein 2 (Necdin-like protein 1) (Protein nM15),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 (PubMed:23452853). Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-BMAL1 heterodimer. Significantly promotes the cytoplasmic accumulation of CLOCK (By similarity). {ECO:0000250|UniProtKB:Q9QZ04, ECO:0000269|PubMed:20864041, ECO:0000269|PubMed:23452853}.

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Molecular Weight: 132.8 kDa

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UniProt: [Q9UJ55](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months