Datasheet for ABIN3137400

MAGE-Like 2 Protein (MAGEL2) (AA 1-1284) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	MAGE-Like 2 (MAGEL2)
Protein Characteristics:	AA 1-1284
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAGE-Like 2 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MSQLSTNLGD SSPPESPVPA VHSRPTVLMR APPASSRAPP VPWDPPPVDL QAPMAAWQAP QPAWEAPEGQ LPAPVAQLAQ PPGLGAPMVQ APPLGGGMAK PPTPGVLMVH QPPPGAPMAQ SSTPGVLMLH PSVTGAPLAH PPPPGTPMTH PPGTSMAHPP PPPPPPPPPP PPGTPMTHPP PPGTPMGHHP PPGNPMTHPP PGNPMVHPLT HGAPMVHGGP HGTPMPHVPI TGTPIAQQPT PGVLMAQQLT PGVLMVQPPA PGAPMVQPPP QAALMTQPAP SITPMAKPPG PGVVMIHPPG ARGPIIQTPV SGAPMAQTVL PPGQPLATWA PQGQPLILQI QSQVIRAPPQ VPSVPQAPQV QLATPPGWQA TTPNWQVTPQ GWPATPLTWQ ATQVTWQAPT IAWQATQPGR QGHSTIRTGH TPIRPGPAPL LRQIPPMIRQ IQPVMRQAPP LIRQVPIRPA PHGIASQPQL WQVLPPPPPL RQAPQARLLL PRVPGTGQVS TVPPVAQIHL VPQSGPQVPQ TVLPAQLSIP IPVPQAAAQS APRTVHCPPI IWQAPKGQAP VPQELPVPQE LPVPQELPVP QEVPVPQEIP VPQEIPVPQE LPVPQELPVP QELPVPQELP VPQELPVPQE LPVPQELPVP QELPVPLEFQ EVQQAQAVGW

RAPKVPPHFW QPVSAQEAQE QATQIAHVEQ QQPFQGAPAS SKALQTQLPT HQAQASGLQA ELPSVQLQPS WQGPLPMLQA QPGASATLAN FPRGSTRSRM APSGEPGPSS LEPRGPPRER RAPARDKKGP PKERMFIGAT FCAPRGASAS RAYVPTAWKN LPATSETFPA TSRVFPSTSH FQPASSNAFR GPSAASESPK SLPFALQDPY ACVEALPAVP WVPYPDGNAS SACKSVPAIL MVAAAAPQAS ATAAEASKSS EPPRRPGKAT RKKKHLEPKE DNCGHRLSSR DWRGPRTWGN PSHSDWEIQR AMQLLGDRES LYTPQGLNDW GCPNTSRMPR SLEGPSTSRD QEFCGDSGGS QTWMASEVPS VSRGSSAAQE DPDRESQPLS PLDERANALV QFLLVKDQAK VPVQLSEMVN VVIREYKDDS LDIINRANTK LECTFGCQLK EVDTKTHTYI IVNKMAYPQC NLLASYLERP KFSLLMVVLS LIFMKGYCIR ENLLFSFLFQ LGLDVQETSG LFRITKKLIT SVFVRHRYLE YRQIPFTEPA EYELLWGPRA FLETNRVHIL RFLAALYENQ PQIWSCQYLD SLAELEYKDA NAAAEESHDS DDDAHDPTSS PHPH

Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system -

Product Details

	all that's needed is the DNA that codes for the desired protein! Concentration: • The concentration of our recombinant proteins is measured using the absorbance at 280nm. • The protein's absorbance will be measured against its specific reference buffer. • We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.
Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	MAGE-Like 2 (MAGEL2)
Alternative Name:	Magel2 (MAGEL2 Products)
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.

Application Details

Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications. During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months