Datasheet for ABIN3136832

RBM5 Protein (AA 1-815) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	RBM5
Protein Characteristics:	AA 1-815
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBM5 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MGSDKRVSRT ERSGRYGSII DRDDRDERES RSRRRDSDYK RSSDDRRGDR YDDYRDYDSP ERERERRNSD RSEDGYHSDG DYGEHDYRHD ISDERESKTI MLRGLPITIT ESDIREMMES FEGPQPADVR LMKRKTGVSR GFAFVEFYHL QDATSWMEAN QKKLVIQGKH IAMHYSNPRP KFEDWLCNKC CLNNFRKRLK CFRCGADKFD SEQEVPPGTT ESAQSVDYYC DTIILRNIAP HTVVDSIMTA LSPYASLAVN NIRLIKDKQT QQNRGFAFVQ LSSAMDASQL LQILQSLHPP LKIDGKTIGV DFAKSARKDL VLPDGNRVSA FSVASTAIAA AQWSSTQSQS GEGGSVDYSY MQPGQDGYTQ YTQYSQDYQQ FYQQQAGGLE SDTSATSGTT VTTTSAAVVS QSPQLYNQTS NPPGSPTEEA QPSTSTSTQA PAASPTGVVP GTKYAVPDTS TYQYDESSGY YYDPTTGLYY DPNSQYYYNS LTQQYLYWDG EKETYVPAAE ASSNQQTGLP STKEGKEKKE KPKSKTAQQI AKDMERWAKS LNKQKENFKN SFQPVNSLRE EERRESAAAD AGFALFEKKG ALAERQQLLP ELVRNGDEEN PLKRGLVAAY SGDSDNEEEL VERLESEEEK LADWKKMACL LCRRQFPNRD

	ALVRHQQLSD LHKQNMDIYR RSRLSEQELE ALELREREMK YRDRAAERRE KYGIPEPPEP KRKKQFDAGT VNYEQPTKDG IDHSNIGNKM LQAMGWREGS GLGRKCQGIT APIEAQVRLK GAGLGAKGSA YGLSGADSYK DAVRKAMFAR FTEME **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 - 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

Product Details

	System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	RBM5
Alternative Name:	Rbm5 (RBM5 Products)
Background:	RNA-binding protein 5 (Putative tumor suppressor LUCA15) (RNA-binding motif protein 5),FUNCTION: Component of the spliceosome A complex. Regulates alternative splicing of a number of mRNAs. May modulate splice site pairing after recruitment of the U1 and U2 snRNPs to the 5' and 3' splice sites of the intron. May both positively and negatively regulate apoptosis by regulating the alternative splicing of several genes involved in this process, including FAS and CASP2/caspase-2. In the case of FAS, promotes production of a soluble form of FAS that inhibits apoptosis. In the case of CASP2/caspase-2, promotes production of a catalytically active form of CASP2/Caspase-2 that induces apoptosis (By similarity). {ECO:0000250}.
Molecular Weight:	92.3 kDa
UniProt:	Q91YE7
Pathways:	Ribonucleoprotein Complex Subunit Organization

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.
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

Application Details

	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