Datasheet for ABIN3087562

RSBN1 Protein (AA 1-802) (Strep Tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	RSBN1
Protein Characteristics:	AA 1-802
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RSBN1 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:	MFISGRRTAD KWRAEERLQC PAGSARAALA RCADGGAVGP FKCVFVGEMA AQVGAVRVVR AVAAQEEPDK EGKEKPHAGV SPRGVKRQRR SSSGGSQEKR GRPSQEPPLA PPHRRRRSRQ HPGPLPPTNA APTVPGPVEP LLLPPPPPPS LAPAGPAVAA PLPAPSTSAL FTFSPLTVSA AGPKHKGHKE RHKHHHHRGP DGDPSSCGTD LKHKDKQENG ERTGGVPLIK APKRETPDEN GKTQRADDFV LKKIKKKKKK KHREDMRGRR LKMYNKEVQT VCAGLTRISK EILTQGQINS TSGLNKESFR YLKDEQLCRL NLGMQEYRVP QGVQTPFMTH QEHSIRRNFL KTGTKFSNFI HEEHQSNGGA LVLHAYMDEL SFLSPMEMER FSEEFLALTF SENEKNAAYY ALAIVHGAAA YLPDFLDYFA FNFPNTPVKM EILGKKDIET TTISNFHTQV NRTYCCGTYR AGPMRQISLV GAVDEEVGDY FPEFLDMLEE SPFLKMTLPW GTLSSLRLQC RSQSDDGPIM WVRPGEQMIP TADMPKSPFK RRRSMNEIKN LQYLPRTSEP REVLFEDRTR AHADHVGQGF DWQSTAAVGV LKAVQFGEWS DQPRITKDVI CFHAEDFTDV VQRLQLDLHE PPVSQCVQWV DEAKLNQMRR EGIRYARIQL CDNDIYFIPR NVIHQFKTVS AVCSLAWHIR LKQYHPVVEA TQNTESNSNM

DCGLTGKREL EVDSQCVRIK TESEEACTEI QLLTTASSSF PPASELNLQQ DQKTQPIPVL KVESRLDSDQ QHNLQEHSTT SV

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 System (AliCE®).

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Product Details

Purity:	> 80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Target Details

Target:	RSBN1
Alternative Name:	RSBN1 (RSBN1 Products)
Background:	Lysine-specific demethylase 9 (KDM9) (EC 1.14.11.-) (Round spermatid basic protein 1),FUNCTION: Histone demethylase that specifically demethylates dimethylated 'Lys-20' of histone H4 (H4K20me2), thereby modulating chromosome architecture. {ECO:0000250|UniProtKB:Q80T69}.
Molecular Weight:	90.1 kDa
UniProt:	Q5VWQ0

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 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. If you have a special request, please contact us.

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Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

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