Datasheet for ABIN3136423

LRRC9 Protein (AA 1-1456) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	LRRC9
Protein Characteristics:	AA 1-1456
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRRC9 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MIESENLNRG EIIKELCLCN GLTYEIVGQE GSDTSKLEMF FSGYPRIVGL SLFHNLSSLT IVAQDIREIS GLETCLQLKE LWIAECCIEK IEGLQGCRNL EKLYLYYNKI SKIENLEKLI KLEVLWLNHN MIKNIEGLQT LKNLKDLNLA GNLVSSIGRC LDPNEQLEKL NLSGNQITSF KDLTNLTKLT RLKDLCLNDP QYKSNPVCQL CNYSTHVLYH LPSLQRLDTF DVSAKQIKEL ADSTAMKKIM YYNMRIKTVQ RHLNEELEKL NDRKCKLQKL PEERIKLFNF AKKTLERELA ELKISSKGQS DTTPEAEKPR NSEVVTQESV LQQKILTKLS ALDDRVTFWN KKLHEIEAIY RTEVKQKKKT HGLLTPFLLT ELETVGNIHF EEGTQADDWF NSCCELILSR FCTWDFRAYG ITGVKVKRVI KVNNRILRLK FEEKFQKCLD LEDTQDPDYR KMLECLFYVF DPEVTVKKKH LLQILERGFK DSDTSKPSLK KEAVTLVNSL SMCECPRIEF LQQKYKEEKK GPSESELYRH GTILIAKVFL GQSIQARDQE PINKANYPMV NSVFVPQRHV LRQRTCDCGY RQYKWFVFDH DLVLPEYIVE FEYTTVVKVH SLFSTSNNVI LEEGKKYSEG LVFSQDLKFD DEVLKMEPRI KPRPKLISLD

EKTIISLAKT NIYSHIVNLN LHGNSLSKLR DLAKLTGLRK LNISFNEFTC LDDVYHLYNL EYLDASHNHV ITLEGFRGLM KLKHLDLSWN QLKKTGEEIN VLCKHTTSLL TLDIQHNPWQ KPATLRLSVI GRLKTLTHLD GLVISEEETR AALKFISGTK ITQLTLLQHS SSKEERPRML STWPSAKILT QISKLGPHFH LTGNWYSKIT ALNLDGQHLF EITNLEKLEN LKWASFSNNN LSKMEGLESC VNLEELTLDG NCISKIEGIT RLTKLSRLSM NNNLLTGLEK HTFDNLLHLH SLSLENNRIT SLSALQKTFT LIELYISNNY IAVNQEIYNL KGLCNLVILD MYGNIIIWNQ ENYRFFVIFH LPELKALDGV SIETSETETA KDLFGGRLTS DMIAERQGHS NFIQMQELNW TSSAIRTVDL IPVDHFRNVS NVNLQNNNLT SFSGLIYLPN VKVLCLNYNH IESIMPRLKP QTHLSSRQLL YQKVPSSGYG QQGTSKLNRD SVGSENLPPI MQSLEVLHLG YNGICNLVQL QLNRLRNLKF LFLQGNEISQ VEGLDNLIVL QELVVDHNRI RAFNDTAFSK PSSLLMLHLE ENRLRELSKL QSLVKLEKLF LGYNKIQDIT ELEKLDVIPS LRELTVYGNP ICRKMVHRHV LIFRLPNLQM LDGIPINSDD RAKAEFHFSE LQAKKSSIIQ NNLPTSKSSL PSHLQTPLPC KFVPVTNSTD GGSFCHVKAS PIKITNVLLP AGFSRFLGPD FTLTPEVEGI FTKSFRENEK TNKQQQ

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

Product Details

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

Target Details

Target:	LRRC9
Alternative Name:	Lrrc9 (LRRC9 Products)
Background:	Leucine-rich repeat-containing protein 9
Molecular Weight:	167.3 kDa
UniProt:	Q8CDN9

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

Application Details

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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