Datasheet for ABIN3135185

LRRC8B Protein (AA 1-803) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	LRRC8B
Protein Characteristics:	AA 1-803
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRRC8B protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MITLTELKCL ADAQSSYHIL KPWWDVFWYY ITLIMLLVAV LAGALQLTQS RVLCCLPCKV EFDNQCAVPW DLLKGSENAS SNSGLLLPLP LRIQNDLHRQ QYSYIDAVCY EKQLHWFAKF FPYLVLLHTL IFAACSNFWL HYPSTSSRLE HFVSILHKCF DSPWTTRALS ETVAEQSVRP LKLSKSKTLL STSGGSADID ASKQSLPYPQ PGLESPGIES PTSSVLDKKE GEQAKAIFEK VKRFRLHVEQ RDIIYRVYLK QIIVKVILFV LIITYVPYFL SYITLEIDCS IDVQAFTGYK RYQCVYSLAE IFKVLASFYV ILVMLYGLTS SYSLWWMLRS SLKQYSFEAL REKSNYSDIP DVKNDFAFIL HLADQYDPLY SKRFSIFLSE VSENKLKQIN LNNEWTVERL KSKLVKNSQD KVELHLFMLN GLPDNVFELT EMEVLSLELI PEVKLPAAVA QLVNLRELHV YHSSLVVDHP ALAFLEENLR ILRLKFTEMG KIPRWVFHLK NLKELYLSGC VLPEQLSSLH LEGFQDLKNL RTLYLKSSLS RIPQVVTDLL PSLQKLSLDN EGSKLVVLNN LKKMVNLKSL ELLSCDLERI PHSIFSLNNL HELDLKENNL KTVEEIISFQ HLPSLSCLKL WHNNIAYIPA QIGALSNLEQ LFLGHNNIES

	LPLQLFLCTK LHYLDLSYNH LTFIPEEIQY LTNLQYFAVT NNNIEMLPDG LFQCKKLQCL LLGRNSLTDL SPLVGELSNL THLELTGNYL ETLPVELEGC QSLKRSCLIV EDSLLNSLPL PVAERLQTCL DKC **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:	LRRC8B
Alternative Name:	Lrrc8b (LRRC8B Products)
Background:	Volume-regulated anion channel subunit LRRC8B (Leucine-rich repeat-containing protein 8B),FUNCTION: Non-essential component of the volume-regulated anion channel (VRAC, also named VSOAC channel), an anion channel required to maintain a constant cell volume in response to extracellular or intracellular osmotic changes. The VRAC channel conducts iodide better than chloride and can also conduct organic osmolytes like taurine. Channel activity requires LRRC8A plus at least one other family member (LRRC8B, LRRC8C, LRRC8D or LRRC8E), channel characteristics depend on the precise subunit composition. {ECO:0000250|UniProtKB:Q6P9F7}.
Molecular Weight:	92.2 kDa
UniProt:	Q5DU41

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!

Application Details

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