Datasheet for ABIN3134885

GRID2IP Protein (AA 1-1203) (Strep Tag)

Go to Product page

Overview

Quantity:	250 µg
Target:	GRID2IP
Protein Characteristics:	AA 1-1203
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRID2IP protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MPATNQGWPE DFGFQLGGSG PCFVIEVAEG SSAHAGGLRP GDQILEVEGL AVGGLSRERI VRLARRCPRV PPSLGVLPGP EGGPTALTAA WLTRRFGRSL PLSRELLRLA GGPRPDAVHR ERRRKAQEFS CQVDDILGDR LTAKEQVFTA LKQFAAEQRV DELVWTLTLV LPSEAQGPVL DNLRIFIPKK HRARFDEVVS QGLLGKLCRA RRAQGAQRLR RSRSEERPER LLVSTRASAA PRRPDEPPPR KATSLLGGRT GPGGPRRTVR VYKGNKSFGF TLRGHGPVWI ESVLPGSPAE NASLKSGDRI LFLNGLDMRN CSHDKVVSML QGSGAMPTLV VEEGPVPFAS DSDSLDSPTR ASALTSLQWV ADILPSSIRV QGRTFSQQLD HLLTPPERYG VCRALERFFQ HRNIDTLIVD VYPVLDTPAK QVLWQFLYQL LTYEEQELCQ EKIACFLGYT AMTEPESSLD LEPESTPEPT PEPQPRSSLR ASSMCRRSLR SQGLETSLSC GPGDCPEMPL PLIPGERQAG DGTSLPETPN PKMMSAVYAE LESRLNSSFK GKIGTMSKSR ASPPVPSLVG TSGPRTLSGV SWPSDRLLPS PCYDPLCSGG LASPSSSESH PYASLDSSRA PSPQPGLGSI HADSPPSPDP IRPPSRRKLF

AFSRPVRSRD TDRFLDALSE QLGPRLSIVD DFLTPENDYE EMSFHDDQGS FVTNERSSAS ECVSSSEEGS SLTYSSISDH IPPPPLSPPP PPPLPFHDPK PSSRTSDGPR GPPQSLTKPL TQINHPVPPP PPPPLPPPVP CAPPMLSRGV GHRRSETSHM SVKRLRWEQV ENSEGTIWGQ LGEDSDYDKL SDMVKYLDLE LHFGTQKPPK PVPGPEPFRK KEVVEILSHK KAYNTSILLA HLKLTPGELR QVLMSMEPRR LEPAHLAQLL LFAPDADEEQ RYQAFREAPG RLSEPDQFVL QMLSVPEYKT RLRSLHFQAT LQEKTEEIRG SLECLRQASL ELKNSRKLAK ILEFVLAMGN YLNDGQPKTN KTTGFKINFL TELNSTKTVD GKSTFLHILA KSLSQHFPEL LGFAQDLPTV PLAAKVNQRA LTGDLADLHD TVSEIQVACQ SMAPSSEDRF AVVMASFLET AQPALRALDG LQREAMEELG KALAFFGEDS KATTSEAFFG IFSEFMSKFE RALSDLQAGD GPRSSGMVSP LAW

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!

Product Details

	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:	GRID2IP
Alternative Name:	Grid2ip (GRID2IP Products)
Background:	Delphilin (Glutamate receptor, ionotropic, delta 2-interacting protein 1),FUNCTION: Postsynaptic scaffolding protein at the Purkinje cell synapse, where it may serve to link GRID2 with actin cytoskeleton and various signaling molecules.
Molecular Weight:	132.0 kDa
UniProt:	Q0QWG9
Pathways:	Synaptic Membrane

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

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