

Datasheet for ABIN3136251

RALGAPB Protein (AA 1-1484) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	RALGAPB
Protein Characteristics:	AA 1-1484
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RALGAPB protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AlIcE®
Sequence:	<p>MYSEWRSLHL VIQSDQGHTS VLHSPESVG REVANAVVRP LGQALGTSSV AGSESLKTD</p> <p>KEVKWTMEVI CYGLTLPLDG ETVKYCVDVY TDWIMALVLP KDSIPLPIK EPNLYVQSIL</p> <p>KHLQNLFVPR QEQGSSQIRL CLQVLRAIQK LARESSIMAR ETWEVLLLFL LQINDILLAP</p> <p>PTVQGGIAEN LAEKLIGVLF EVWLLACTRC FPTPPYWKTA KEMVANWRHH PAVVEQWSKV</p> <p>ICALTSRLLR FTYGPSFPPF KVPDEDANLI PPEMDNECIA QTWFRFLHML SNPVDLSNPA</p> <p>VISSTPKFQE QFLNVSGMPQ ELSQYPCLKH LPQIFFRAMR GISCLVDAFL GISRPRSDSA</p> <p>PPTPVNRLSM PQSAAVNTTP PHNRRHRAVT VNKATMKTST VTTAHTSKVQ HQASSTSPLS</p> <p>SPNQTSSEPR PLPAPRRPKV NSILNFGSW LFDAAFVHCK LHNGINRDN MTASFIQILL</p> <p>SYKSSIATQA SMEFRRKGSQ MSTDTMVSNP VFDASEFPDN YEAGRAEACG TLCRIFCSKK</p> <p>TGEEILPAYL SSVILNSPPL FCCDLKGIDV VVPYFISALE TILPDRELSK FKSYPNPTEL RRSSINILLS</p> <p>LLPLPHHFGT VRSEVVLEGK FSNDSSSYD KPITFLSLKL RLVNIGAL QTETDPNNTQ</p>

MILGAMLNIV QDSALLEAIG CQMEMGGGEN NLKSHSRTNS GISSASGGST EPTTPDSERP
AQALLRDYGS TDSAAGLLIR SIHLVTQRLN SQWRQDMSIS LAALELLSGL AKVKVMVDSG
DRKRAISSVC SYIVYQCSRPL APLHSRDLHS MIVAAFQCLC VWLTEHPDML DEKDCLKEVL
EIVELGISGS KSKNSEQEVK YKGDKEPNPA SMRVKDAAEA TLTCIMQLLG AFPSPSGPAS
PCSLVNETTL IKYSRLPTIN KHSFRYFVLD NSVILAMLEQ PLGNEQNDFP PSVTVLVRGM
SGRLAWAQQCLLPRGAKAN QKLFVPEPRP VPKNDVGFKY SVKHRPFPEE VDKIPFVKAD
LSIPDLHEIV TEELEERHEK LRSGMAQQA YEMHLEQQSE GELQKRSFPD PVTDCPPPP
AQEFQTARLF LSHFGFLSLE ALKEPANSRL PPHIALDST IPGFFDDIGY LDLLPCRPF
TVFIFYMKPG QKTNQEILKN VESSRNVQPH FLEFLLSLGW SVDVGKHPGW TGHVSTSWSI
NSCDDGEGSE PDEITSSDV GASIFNGQKK VLYYADALTE IAFVVPSPVE SLTDSLESNI
SDQSDSDNMD LMPGILKQPP LTLELVPNHT DSLNSSQRLS PSSRMKKLPQ GRPVPPLGPE
TRVSVVWVER YDDIENFPLS DLMTEISTGV ETTANSSTSL RSTTLEKEVP VIFHPLNTG
LFRIKIQGAT GKFNMVIPLV DGMIVSRRAL GFLVRQTVIN ICRRKRLESD SYSPPHVRRK
QKITDIVNKY RNKQLEPEFY TALFQEVGLK NCSS

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

Product Details

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

Target Details

Target:	RALGAPB
Alternative Name:	Ralgapb (RALGAPB Products)
Background:	Ral GTPase-activating protein subunit beta (p170),FUNCTION: Non-catalytic subunit of the heterodimeric RalGAP1 and RalGAP2 complexes which act as GTPase activators for the Ras-like small GTPases RALA and RALB. {ECO:0000250}.
Molecular Weight:	165.2 kDa
UniProt:	Q8BQZ4

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 <i>Nicotiana tabacum</i> 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.

Application Details

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.
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