

Datasheet for ABIN3136251

RALGAPB Protein (AA 1-1484) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	RALGAPB
Protein Characteristics:	AA 1-1484
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RALGAPB protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	MYSEWRSLHL VIQSDQGHTS VLHSTYPESVG REVANAVVRP LGQALGTSSV AGSESLKTD KEVKWTMEVI CYGLTLPLDG ETVKYCVDVY TDWIMALVLP KDSIPLPIK EPNLYVQSIL KHLQNLFPVR QEQGSSQIRL CLQVLRAIQK LARESSIMAR ETWEVLLLFL LQINDILLAP PTVQGGIAEN LAEKLIGVLF EVWLLACTRC FPTPPYWKTA KEMVANWRHH PAVVEQWSKV ICALTSRLLR FTYGPSFPPF KVPDEDANLI PPEMDNECIA QTWFRFLHML SNPVDLSNPA VISSTPKFQE QFLNVSGMPQ ELSQYPCLKH LPQIFFRAMR GISCLVDAFL GISRPRSDSA PPTPVNRLSM PQSAAVNTP PHNRRHRAVT VNKATMKTST VTTAHTSKVQ HQASSTSPLS SPNQTSSEPR PLPAPRRPKV NSILNFGSW LFDAAFVHCK LHNGINRDNS MTASFIQILL SYKSSIATQA SMEFRRKGSQ MSTDTMVSNP VFDASEFPDN YEAGRAEACG TLCRIFCSKK TGEEILPAYL SSVILNSPPL FCCDLKGIDV VVPYFISALE TILPDRELSK FKSIVNPTEL RRSSINILLS LLPLPHHFGT VRSEVVLEGK FSNDSSSYD KPITFLSLKL RLVNIGAL QTETDPNNTQ MILGAMLNIV QDSALLEAIG CQMEMGGGEN NLKSHSRTNS GISSASGGST EPTTPDSERP
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AQALLRDYGS TDSAAGLLIR SIHLVTQRLN SQWRQDMSIS LAALELLSGL AKVKVMVDSG
DRKRAISSVC SYIVYQCSRP APLHSRDLHS MIVAAFQCLC VWLTEHPDML DEKDCLKEVL
EIVELGISGS KSKNSEQEVK YKGDKEPNPA SMRVKDAAEA TLTCIMQLLG AFPSPSGPAS
PCSLVNETTL IKYSRLPTIN KHSFRYFVLD NSVILAMLEQ PLGNEQNDFP PSVTVLVRGM
SGRLAWAQQCLLPRGAKAN QKLFVPEPRP VPKNDVGFKY SVKHRPFPEE VDKIPFVKAD
LSIPDLHEIV TEELEERHEK LRSAGMAQQA YEMHLEQQSE GELQKRSFPD PVTDCCKPPPP
AQEFQTARLF LSHFGFLSLE ALKEPANSRL PPHIALDST IPGFFDDIGY LDLLPCRPF
TVFIFYMKPG QKTNQEILKN VESSRNVQPH FLEFLLSLGW SVDVGKHPGW TGHVSTSWSI
NSCDDGEGSE PDEITSSDV GASIFNGQKK VLYYADALTE IAFVVPSPVE SLTDSLESNI
SDQSDSDSNMD LMPGILKQPP LTLELVPNHT DSLNSSQRLS PSSRMKKLPQ GRVPVPLGPE
TRVSVVWVER YDDIENFPLS DLMTEISTGV ETTANSSTSL RSTTLEKEVP VIFIHPLNTG
LFRIKIQGAT GKFNMVIPLV DGMIVSRRL GFLVRQTVIN ICRRKRLESD SYSPPHVRRK
QKITDIVNKY RNKQLEPEFY TALFQEVGLK NCSS

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Ralgapb Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use

Product Details

	the ExPASy's protParam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	RALGAPB
Alternative Name:	Ralgapb (RALGAPB Products)
Background:	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:	166.2 kDa Including tag.
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:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process