

Datasheet for ABIN7555166

Ras Protein-Specific Guanine Nucleotide-Releasing Factor 2 (RASGRF2) (AA 1-1237) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Ras Protein-Specific Guanine Nucleotide-Releasing Factor 2 (RASGRF2)
Protein Characteristics:	AA 1-1237
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RASGRF2 Protein expressed in mammalian cells.
Sequence:	<p>MQKSVRYNEG HALYLAFLAR KEGTKRGFLS KKTAEASRWH EKWFALYQNV LFYFEGEQSC RPAGMYLLEG CSCERTPAPP RAGAGQGGVR DALDKQYYFT VLFHHEGQKP LELRCEEEQD GKEWMEAIHQ ASYADILIER EVLMQKYIHL VQIVETEKIA ANQLRHQLED QDTEIERLKS EIIALNKTKE RMRPYQSNQE DEDPDIKKIK KVQSFMRGWL CRRKWKTIQV DYICSPHAES MRKRNQIVFT MVEAESEYVH QLYILVNGFL RPLRMAASSK KPPISHDDVS SIFLNSETIM FLHEIFHQGL KARIANWPTL ILADLFDILL PMLNIYQEFV RNHQYSLQVL ANCKQNRDFD KLLKQYEANP ACEGRMLETF LTYPMFQIPR YIITLHELLA HTPHEHVERK SLEFAKSKLE ELSRVMHDEV SDTENIRKNL AIERMIVEGC DILLDTSQTF IRQGS LIQVP SVERGKLSKV RLGSLSLKKE GERQCFLFTK HFLICTRSSG GKLHLLKTGG VLSLIDCTLI EEPDASDDDS KGGSQVFGHL DFKIVVEPPD AAFTVLLA PSRQEKAAWM SDISQCVDNI RCNGLMTIVF EENSKVTVPH MIKSDARLHK DDTDICFSKT LNSCKVPQIR YASVERLLER LTDLRFSLID</p>

FLNTFLHTYR IFTTAAVVLG KLSDIYKRPF TSIPVRSLEL FFATSQNNRG EHLVDGKSPR
LCRKFSPPPP LAVSRTSSPV RARKLSLTSP LNSKIGALDL TTSSSPTTTT QSPAASPPPH
TGQIPLDLSR GLSSPEQSPG TVEENVNDNPR VDLCKLKRKRS IQKAVLESAP ADRAGVESSP
AADTTELSPC RSPSTPRHLR YRQPGGQTAD NAHCSVSPAS AFATAAAG HGSPPGFNNT
ERTCDKEFII RRTATNRVLN VLRHWVSKHA QDFELNNEK MNVNLLEEV LRDPDLLPQE
RKAANILRA LSQDDQDDIH LKLEDIIQMT DCMKAECFES LSAMELAEQI TLLDHVIFRS
IPYEEFLGQG WMKLDKNERT PYIMKTSQHF NDMSNLVASQ IMNYADVSSR ANAIEKWVAV
ADICRCLHNY NGVLEITSAL NRSAYRLKK TWAKVSKQTK ALMDKLQKTV SSEGRFKNLR
ETLKNCNPPA VPYLGMYLTD LAFIEEGTPN FTEEGLVNFS KMRMISHIIR EIRQFQTSY
RIDHQPKVAQ YLLDKDLIID EDTLYELSLK IEPRLPA **Sequence without tag. The proposed
Purification-Tag is based on experiences 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 to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

Ras Protein-Specific Guanine Nucleotide-Releasing Factor 2 (RASGRF2)

Alternative Name:

RASGRF2 ([RASGRF2 Products](#))

Target Details

Background: Ras-specific guanine nucleotide-releasing factor 2 (Ras-GRF2) (Ras guanine nucleotide exchange factor 2),FUNCTION: Functions as a calcium-regulated nucleotide exchange factor activating both Ras and RAC1 through the exchange of bound GDP for GTP. Preferentially activates HRAS in vivo compared to RRAS based on their different types of prenylation. Functions in synaptic plasticity by contributing to the induction of long term potentiation. {ECO:0000269|PubMed:15128856}.

Molecular Weight: 140.8 kDa

UniProt: [O14827](#)

Pathways: [Neurotrophin Signaling Pathway](#)

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition 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: 12 months