

Datasheet for ABIN7563527

Ras Protein-Specific Guanine Nucleotide-Releasing Factor 2 (RASGRF2) (AA 1-1189) protein (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Ras Protein-Specific Guanine Nucleotide-Releasing Factor 2 (RASGRF2)
Protein Characteristics:	AA 1-1189
Origin:	Mouse
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 HALYLAMLAR KEGTKRGFLS KKAAEASRWH EKWFALYQNV LFYFEGEQSG</p> <p>RPAGMYLLEG CSCERTPAPP RTNAGPAGAR DALDKQYYFT VLFQHDGQKP LELRCEEEQA</p> <p>GKEWMEAIHQ ASYADILIER EVLMQKYIHL VQIVETEKIA TNQLRHQLED QDTEIERLKS</p> <p>EIVALNKTKE RMRPYHVVH QEEDPDIKKIK KVQSFMRGWL CRRKWKTIVQ DYICSPHAES</p> <p>MRKRNQIVFT MVEAETEVVH QLYILVNGFL RPLRMAASSK KPPINHDDVS SIFLNSETIM</p> <p>FLHEIFHQGL KARLANWPTL VLADLFDILL PMLNIQEFV RNHQYSLQVL ANCKQNRDFD</p> <p>KLLKQYEANP ACEGRMLET FLYTYPMFQIPR YIITLHELLA HTPHEHVERK SLEFAKSKLE</p> <p>ELSRVMHDEV SDTENIRKNL AIERMIVEGC DILLDTSQTF IRQGS LIQVP SVERGKLSKV</p> <p>RLGSLSLKKE GERQCFLFTK HF LICTRSSG GKLHLLKTGG VLSLIQCTLI EEPDGSDDDP</p> <p>KGSGHMFHGL DFKIVVEPPD AASFTVLLA PSRQEKA AWM SDISQCVDNI RCNGLMTIVF</p> <p>EENSKVTVP HMIKSDARLHK DDTDICFSKT LNSCKVPQIR YASVERLLER LTDLRFLSID</p>

FLNTFLHTYR IFTTATVVLA KLSDIYKRPF TSIPVRSLEL FFATSQNNRE HLVDGKSPRL
CRKFSSPPPL AVSRTSSPVR ARKLSLTSSL NSRIGALDLT NSSSSSSPTT TTHSPAASPP
PHTAVLESAP ADKAGDSADM SPCRSPTTPR HLYRQPGGQ VADSAHCSVS PASAFIATA
AAGHGSPPGF NNERTCDKEF IIRRTATNRV LNVLRHWVSK HAQDFELNNE LKMNVNLNLE
EVL RDPDLLP QERKATANIL RALSQDDQDD IHLKLEDIIQ MTDCPKAECF ETLSAMELAE
QITLLDHIVF RSIPYEEFLG QGWMKLDKNE RTPYIMKTSQ HFNEMSNLVA SQIMNYADIS
SRANAIEKWV AVADICRCLH NYNGVLEITS ALNRS AIYRL KKTWAKVSKQ TKALMDKLQK
TVSSEGRFKN LRETLKNCNP PAVPYLGMYL TDLAFIEEGT PNFTEEGLVN FSKMRMISHI
IREIRQFQQT AYRIDQQPKV IQYLLDKALV IDEDSL YELS LKIEPRLPA **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
------------------	---

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)
Background:	Ras-specific guanine nucleotide-releasing factor 2 (Ras-GRF2) (Ras guanine nucleotide

Target Details

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:10733575, ECO:0000269|PubMed:11500499, ECO:0000269|PubMed:14749369, ECO:0000269|PubMed:15029245, ECO:0000269|PubMed:16407208, ECO:0000269|PubMed:16467520, ECO:0000269|PubMed:9032266, ECO:0000269|PubMed:9707409}.

Molecular Weight:	135.7 kDa
UniProt:	P70392
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