

Datasheet for ABIN7565126

## RASGRP2 Protein (AA 1-608) (His tag)



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### Overview

Quantity:	1 mg
Target:	RASGRP2
Protein Characteristics:	AA 1-608
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RASGRP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Rasgrp2 Protein expressed in mammalian cells.
Sequence:	<p>MTSTLDLDKG CTVEELLRGC IEAFDDSGKV RDPQLVRMFL MMHPWYIPSS QLASKLLHFY</p> <p>QQRKDNSNS LQMKTCHLVR YWISAFPAEF DLNPELAEQI KELKALLDQE GNRRHSSLID</p> <p>IESVPTYKWK RQVTQRNPVE QKKRKMSTLLF DHLEPMELAE HLTYLEYRSF CKILFQDYHS</p> <p>FVTHGCTVDN PVLERFISLF NSVSQWVQLM ILSKPTATQR ALVITHFVHV AERLLQLQNF</p> <p>NTLMAVVGGL SHSSISRLKE THSHVSPDTI KLWEGLTELV TATGNYSNYR RRLAACVGFR</p> <p>FPILGVHLKD LVALQLALPD WLDPGRTRLN GAKMRQLFCI LEELAMVTSI RPPVQANPDL</p> <p>LSLLTVSLDQ YQTEDELYQL SLQREPRSKS SPTSPTSCTP PPRPPVLEEW TSVAKPKLDQ</p> <p>ALVAEHIEKM VESVFRNFDV DGDGHISQEE FQIRGNFPY LSAFGDLDQN QDGCISREEM</p> <p>ISYFLRSSSV LGGRMGFVHN FQESNSLRPV ACRHCKALIL GIYKQGLKCR ACGVNCHKQC</p> <p>KERLSVECRR RAQSVSLEGS APSPSPTHTH HRAFSFSLPR PGRSSRPPE IREEVQSVE</p> <p>DGVFDIHL <b>Sequence without tag. The proposed Purification-Tag is based on experiences</b></p>

**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"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	RASGRP2
Alternative Name:	Rasgrp2 ( <a href="#">RASGRP2 Products</a> )
Background:	<p>RAS guanyl-releasing protein 2 (Calcium and DAG-regulated guanine nucleotide exchange factor I) (CalDAG-GEFI) (F25B3.3 kinase-like protein),FUNCTION: Functions as a calcium- and DAG-regulated nucleotide exchange factor specifically activating Rap through the exchange of bound GDP for GTP. May also activate other GTPases such as RRAS, RRAS2, NRAS, KRAS but not HRAS. Functions in aggregation of platelets and adhesion of T-lymphocytes and neutrophils probably through inside-out integrin activation. May function in the muscarinic acetylcholine receptor M1/CHRM1 signaling pathway. {ECO:0000269 PubMed:10777492, ECO:0000269 PubMed:10913189, ECO:0000269 PubMed:11278453, ECO:0000269 PubMed:11432821, ECO:0000269 PubMed:12239348, ECO:0000269 PubMed:15334074, ECO:0000269 PubMed:16357324, ECO:0000269 PubMed:17492052, ECO:0000269 PubMed:9789079}.</p>

### Target Details

Molecular Weight:	69.4 kDa
UniProt:	<a href="#">Q9QUG9</a>
Pathways:	<a href="#">TCR Signaling</a>

### 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