

Datasheet for ABIN7565041

RAPGEF4 Protein (AA 1-1011) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RAPGEF4
Protein Characteristics:	AA 1-1011
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAPGEF4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rapgef4 Protein expressed in mammalien cells.
Sequence:	MVAHAHAHSQ SSAEWIACLD KRPLERSSED VDIIFTRLKG VKAFEK FHPN LLRQICLCGY YENLEKGITL FRQGDIGTNW YAVLAGSLDV KVSETSSHQD AVTICTLGIG TAFGESILDN TPRHATIVTR ESSELLRIEQ EDFKALWEKY RQYMAGLLAP PYGVMETGSN NDRIPDKENT PLIEPHVPLR PAHTITKVPS EKILRAGKIL RAILSRAPIH MIRDRKYHLK TYRQCCVGT LVDWMIQQTSCVHSRTQAVG MWQVLLLEDGV LNHVDQERHF QDKYLFYRFL DDEREDAPLP TEEEKKECDE ELQDTMLLLS QMGPDAHMRM ILRKPPGQRT VDDLEIYYDE LLHIKALSHL STTVKRELAVLIFESHAKG GTVLFNQGEE GTSWYIILKG SVNVIYGGK VVCTLHEGDD FGKLALVNDAPRAASIVLRE DNCHFLRVDK EDFNRILRDV EANTVRLKEH DQDVLVLEKV PAGNRAANQG NSQPQQKYTV MSGTPEKILE HFLETIRLEP SLNEATDSVL NDFVMMHCVF MPNTQLCPAL VAHYHAQPSQ GTEQERMDYA LNNKRRVIRL VLQWAAMYGD LLQEDDVAMA FLEEFYVSVD DARMMAAFK EQLPELEKIV KQISEDAPKAP QKKHKVLLQQ FNTGDERAQQ

Product Details

RQPIRGSDEV LFKVYCIDHT YTTIRVPVAA SVKEVISAVA DKLGSGEGLI IVKMNSGG EK
VVLKSN DVSV FTTLTINGRL FACPREQFDS LTPLPEQEGP TTGTVGTFEL MSSKDLAYQM
TTYDWELFNC VHELELIYHT FGRHNFKKT ANLDLFLRRF NEIQFWVWTE VCLCSQLSKR
VQLLKKFIKI AAHCKEYKNL NSFFAIVMGL SNVAVSRLAL TWEKLP SKFK KFYAEFESLM
DPSRNHRAYR LTA AKLEPPL IPFMPLLIKD MFTTHEGNKT FIDNLVNFEK MRMIANTART
VRYYSQPFN PDAAQANKNH QDVRSYVRQL NVIDNQRTLS QMSHRLEPRR P **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:

RAPGEF4

Alternative Name:

Rapgef4 ([RAPGEF4 Products](#))

Background:

Rap guanine nucleotide exchange factor 4 (Exchange factor directly activated by cAMP 2) (Exchange protein directly activated by cAMP 2) (EPAC 2) (cAMP-dependent Rap1 guanine-nucleotide exchange factor) (cAMP-regulated guanine nucleotide exchange factor II) (cAMP-GEFII),FUNCTION: Guanine nucleotide exchange factor (GEF) for RAP1A, RAP1B and RAP2A

Target Details

small GTPases that is activated by binding cAMP. Seems not to activate RAB3A. Involved in cAMP-dependent, PKA-independent exocytosis through interaction with RIMS2. {ECO:0000269|PubMed:11056535}.

Molecular Weight: 115.5 kDa

UniProt: [Q9EQZ6](#)

Pathways: [Hormone Transport, Smooth Muscle Cell Migration](#)

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