

Datasheet for ABIN7551501
GFR Protein (AA 1-580) (His tag)



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Overview

Quantity:	1 mg
Target:	GFR (RAPGEF5)
Protein Characteristics:	AA 1-580
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFR protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RAPGEF5 Protein expressed in mammalian cells.
Sequence:	MGSSRLRVFD PHLERKDSAA ALSDRELPLP TFDVPYFKYI DEEDEDDEWS SRSQSSTEDD SVDSLSDRY VVSGTPEKI LEHLLNDLHL EEVQDKETET LLDDFLLTYT VFMTTDDLQ ALLRHYSACK YQGKEENS DV PRRKRKVLHL VSQWIALYKD WLPEDEHSMK FLKTIYRNVL DDVYEYPILE KELKEFQKIL GMHRRHTVDE YSPQKKNKAL FHQFSLKENW LQHRGTVTET EEIFCHVYIT EHSYVSVKAK VSSIAQEILK VVAEKIQYAE EDLALVAITF SGEKHELQPN DLVSKSLEA SGRIYVYRKD LADTLNPF AE NEESQQRSMR ILGMNTWDLA LELMNF DWSL FNSIHEQELI YFTFSRQGS G EHTANLSLLL QRCNEVQLWV ATEILLCSQL GKRVLVKKF IKIAAHCKAQ RNLNSFFAIV MGLNTASVSR LSQTWEKIPG KFKKLFSELE SLTDP SLNHK AYRDAFKKMK PPKIPFMPLL LKDVTFIHEG NKTFLDNLVN FEKLHMIADT VRTL RH CRTN QFGDLS PKEH QELKSYV NHL YVIDSQQALF ELSHRIEPRV 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:

GFR (RAPGEF5)

Alternative Name:

RAPGEF5 ([RAPGEF5 Products](#))

Background:

Rap guanine nucleotide exchange factor 5 (Guanine nucleotide exchange factor for Rap1) (M-Ras-regulated Rap GEF) (MR-GEF) (Related to Epac) (Repac),FUNCTION: Guanine nucleotide exchange factor (GEF) for RAP1A, RAP2A and MRAS/M-Ras-GTP. Its association with MRAS inhibits Rap1 activation. {ECO:0000269|PubMed:10777494, ECO:0000269|PubMed:10934204}.

Molecular Weight:

67.7 kDa

UniProt:

[Q92565](#)

Pathways:

[RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [Hepatitis C](#)

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
