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## Datasheet for ABIN1473642 GFR Protein (AA 1-580) (His tag)

### Overview

Quantity:	1 mg
Target:	GFR (RAPGEF5)
Protein Characteristics:	AA 1-580
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GFR protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MGSSRLRVFD PPLERKDSAA LSERQLPLPT FDVPYFKYID EEDEDEWGS RSQSSTEDDS</p> <p>VDSLLSDRYV VVSGTPEKIL EHLLNDLHLA EVQHKETETL LDDFLLTYTV FMTTDDLCQA</p> <p>LLRHYS AKKY QGEEENS DVP CRKRKVLHLV SQWISLYKDW LHEDEHSKMF LKTIYRNVLD</p> <p>DVYEYPILEK ELKEFQKILG MHRRTVDEY SPQKKNKALF HQFSLKENWL QHRGTVAEET</p> <p>EIFCHVYVTE HSYISVKAKV SSTAQEILKV VAEKLQRAEE DLALVAIMFS GEKHEFQPN</p> <p>LAISKSLEAS GRIYVYRKDL ADTLNPF AEN EESQQRSMRI LGMNTWDLAL ELMSFDWSLF</p> <p>NSIHEQELIY FTFSRQSGE HTVNLSLLLQ RCNEVQLWVA TEILLCSQLG KRVQLVKKFI</p> <p>KIAAHCKAQQ NLNSFFAIVM GLNTASVSRL SQTWEKIPGK FKKLFSELES LTDPSLNHKA</p> <p>YRDAFKMKMP PKIPFMPLLL KDVTFIHEGN KTFLDNLVNF EKLHMIADTV RTLRHCRTNQ</p> <p>FGSDMSPKEQ QELKSYVNHL YVIDSQQALF ELSHRLEPRA</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

## Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

Target: GFR (RAPGEF5)

Alternative Name: Rap guanine nucleotide exchange factor 5 (Rapgef5) ([RAPGEF5 Products](#))

Background: Recommended name: Rap guanine nucleotide exchange factor 5.

Alternative name(s): M-Ras-regulated Rap GEF.

Short name= MR-GEF.

Short name= rMR-GEF

UniProt: [P83900](#)

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

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to

## Handling

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one week

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Storage: -20 °C

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.