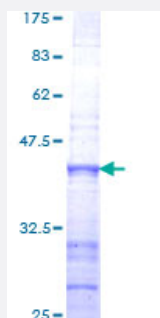


RAPGEF1 (Human) Recombinant Protein (Q01)

Catalog # H00002889-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RAPGEF1 partial ORF (AAH41710, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGNAIEKQKPLKRSHLYPWKQDSQRSHLSSFTMKLMDKFHSPKIKRTPSKKGKPAEVSVKIPEKP VNKEATDRFLPEGYPLPLDLEQQAVEFMSTSAVASRSQRQKNLSW
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RAPGEF1

Entrez GeneID	2889
GeneBank Accession#	BC041710
Protein Accession#	AAH41710
Gene Name	RAPGEF1
Gene Alias	C3G, DKFZp781P1719, GRF2
Gene Description	Rap guanine nucleotide exchange factor (GEF) 1
Omim ID	600303
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a human guanine nucleotide exchange factor. It transduces signals from CRK by binding the SH3 domain of CRK, and activating several members of the Ras family of GTPase s. This signaling cascade that may be involved in apoptosis, integrin-mediated signal transduction, and cell transformation. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some variants has not been determined. [provided by RefSeq]
Other Designations	OTTHUMP00000064558[guanine nucleotide-releasing factor 2][guanine nucleotide-releasing factor 2 (specific for crk proto-oncogene)]

Pathway

- [Focal adhesion](#)
- [Insulin signaling pathway](#)
- [Neurotrophin signaling pathway](#)

- [Renal cell carcinoma](#)

Disease

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Tobacco Use Disorder](#)