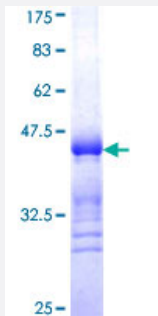


ARHGEF2 (Human) Recombinant Protein (Q02)

Catalog # H00009181-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ARHGEF2 partial ORF (NP_004714, 590 a.a. - 690 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTHFQAEEDGGSGMALPTLPRGLFRSESLES PRGERLLQDAIREVEGLKDLLVGPGVELLLTPRE PALPLEPDSSGGNTSPGVTANGEARTFNCSIELCRAD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
Interspecies Antigen Sequence	Mouse (88); Rat (89)
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 — ARHGEF2

Entrez GeneID	9181
GeneBank Accession#	NM_004723
Protein Accession#	NP_004714
Gene Name	ARHGEF2
Gene Alias	DKFZp547L106, DKFZp547P1516, GEF, GEF-H1, GEFH1, KIAA0651, LFP40, P40
Gene Description	rho/rac guanine nucleotide exchange factor (GEF) 2
Omim ID	607560
Gene Ontology	Hyperlink
Gene Summary	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form complex with G proteins and stimulate rho-dependent signals. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq]
Other Designations	OTTHUMP00000018856 proliferating cell nucleolar antigen p40 rho/rac guanine nucleotide exchange factor 2

Pathway

- [Pathogenic Escherichia coli infection - EHEC](#)

Disease

- [Angina Pectoris](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Coronary Vasospasm](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian cancer](#)