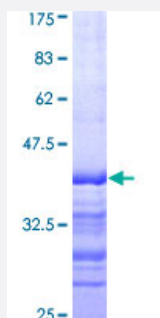


ARHGEF11 (Human) Recombinant Protein (Q01)

Catalog # H00009826-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human ARHGEF11 partial ORF (AAH57394, 651 a.a. - 750 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RSESLKGREEMKRSRKAENVPRSRSDVMDMAAAEATRLHQSASSSTSSLSTRSLENPTPPFTP KMGRRSIESPSLGFCTDTLLPHLLEDDLGLSDLEPE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (96); Rat (93)
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 — ARHGEF11

Entrez GeneID [9826](#)

GeneBank Accession# [BC057394](#)

Protein Accession# [AAH57394](#)

Gene Name ARHGEF11

Gene Alias DKFZp667F1223, GTRAP48, KIAA0380, PDZ-RHOGEF

Gene Description Rho guanine nucleotide exchange factor (GEF) 11

Omim ID [605708](#)

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 a complex with G proteins and stimulate Rho-dependent signals. A similar protein in rat interacts with glutamate transporter EAAT4 and modulates its glutamate transport activity. Expression of the rat protein induces the reorganization of the actin cytoskeleton and its overexpression induces the formation of membrane ruffling and filopodia. Two alternative transcripts encoding different isoforms have been described. [provided by RefSeq]

Other Designations OTTHUMP00000038716|OTTHUMP00000038717|Rho guanine exchange factor (GEF) 11|RhoA-specific guanine nucleotide exchange factor|RhoGEF glutamate transport modulator|glutamate transporter EAAT4-associated protein 48

Pathway

- [Vascular smooth muscle contraction](#)

Disease

- [Cell Transformation](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Lung Neoplasms](#)
- [Tobacco Use Disorder](#)