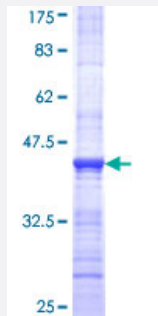


# ARHGEF4 (Human) Recombinant Protein (Q02)

Catalog # H00050649-Q02

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human ARHGEF4 partial ORF ( NP_056135, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MPWEEPAGEKPCSCHSQKAFHMEPAQKPCFTTDMVTWALLCISAETVRGEAPSQPRGIPHRSP VSVDDLWLEKTQRKKLQKQAHVERRLHIGAVHKDGVK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.74
<b>Interspecies Antigen Sequence</b>	Mouse (93)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — ARHGEF4

Entrez GeneID [50649](#)

GeneBank Accession# [NM\\_015320](#)

Protein Accession# [NP\\_056135](#)

Gene Name ARHGEF4

Gene Alias ASEF, ASEF1, GEF4, STM6

Gene Description Rho guanine nucleotide exchange factor (GEF) 4

Omim ID [605216](#)

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. This protein is similar to rat collybistin protein. Alternative splicing of this gene generates two transcript variants which encode different isoforms. Also there is possibility for the usage of multiple polyadenylation sites for this gene. [provided by RefSeq]

**Other Designations** APC-stimulated guanine nucleotide exchange factor|Rho guanine nucleotide exchange factor 4

## Pathway

- [Regulation of actin cytoskeleton](#)