

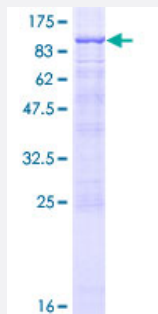
Full-Length

RHOT1 (Human) Recombinant Protein (P01)

Catalog # H00055288-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RHOT1 full-length ORF (NP_001028738.1, 1 a.a. - 659 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKKDVRILLVGEPRVGKTSLIMSLVSEEFPEEVPPRAEETIPADVTPERVPTHTVDYSEAEQSDEQLHQEISQANVICMYAVNNKHSIDKVTSRWIPLINERTDKDSRLPLILVGNKSDLVEYSSMETILPIMNQYTEIETCVECSAKNLKNISELFYYAQKAVLHPTGPLYCPEEKEMKPACIKALTRIFKISDQDNDGTLNDAELNFFQRICFNTPLAPQALEDVKNVVRKHISDGVADSGTLKGFLFLHTLFIQRGRHETTWTVLRRFGYDDDLDTPEYLFPLLKIPPDCTTELNHAYLFLQSTFDKHDLDLDRDCALSPDELKDLFKVFPYIPWGPDVNNTVCTNERGWITYQGFLSQWTLTTYLDVQRCLEYLGYSILTEQESQASAVTVTRDKKIDLQKKQTQRNVFRCNVIGVKNCCKSGVLQALLGRNLMRQKKIREDHKSYYAINTVYVYGQEKYLLHDISESEFLTEAEICDVVCLVYDVSNPKSFEYCARIFKQHFMDSRIPCLVAAKSDLHEVKQEYSISPTDFCRKHKMPPPQAFTCNTADAPSKDIFVKLTMMAMYPHARLCMCTCNRCTFCICQNFLNSDLLQSVKNKIFTAVLNRHVTQADLKSSTFWLRASFGATVFAVLGFAMYKALLKQR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

101.9

Interspecies Antigen Sequence

Mouse (98); Rat (91)

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 — RHOT1

Entrez GeneID	55288
GeneBank Accession#	NM_001033566.1
Protein Accession#	NP_001028738.1
Gene Name	RHOT1
Gene Alias	ARHT1, FLJ11040, FLJ12633, MIRO-1
Gene Description	ras homolog gene family, member T1
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	mitochondrial Rho 1 rac-GTP binding protein-like protein

Publication Reference

- [A mitochondrial membrane-bridging machinery mediates signal transduction of intramitochondrial oxidation.](#)

Li Li, Devon M Conradson, Vinita Bharat, Min Joo Kim, Chung-Han Hsieh, Paras S Minhas, Amanda M Papakyrikos, Aarooran Sivakumaran Durairaj, Anthony Ludlam, Katrin I Andreasson, Linda Partridge, Michael A Cianfrocco and Xinnan Wang.

Nature Metabolism 2021 Sep; 3(9):1241.

Application: Pull-Down, Flies, Fly

Disease

- [Tobacco Use Disorder](#)