

Recombinant Human RABGEF1 Protein (1-491 aa), His-SUMO-tagged

Cat. No. RABGEF1-1149H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RABGEF1 Protein (1-491 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Isoform 2.
Species	Human
Source	E.coli
ProteinLength	1-491 aa
Description	Rab effector protein acting as linker between gamma-adaptin, RAB4A or RAB5A. Involved in endocytic mbrane fusion and mbrane trafficking of recycling endosomes. Stimulates nucleotide exchange on RAB5A. Can act as a ubiquitin ligase.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	72.9 kDa
AA Sequence	MSLKSERRGHVDQSDLLCKKGCYYGNPAWQGFCSCWREEYHKARQKQIQED WELAERLQREEEAFASSQSSQGAQSLTFSKFEEKKTNEKTRKVTTVKKFFSASSR VGSKKEIQEAKAPSPSINRQTSIETDRVSKEFIEFLKTFHKTGQEIKQTKLFLEGMHY KRDLSEEQSECAQDFYHNVAERMQTRGKVPPEVEKIMDQIEKYIMTRLYKYVFCP ETTDDEKKDLAIQKRIRALRWVTPQMLCVPVNEDIPEVSDMVVKAITDIIEMDSKRVP RDKLACITKCSKHIFNAIKITKNEPASADDFLPTLIYVLKGNPPRLQSNIQYITRFCNPS

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RLMTGEDGYFTNLCCAVAFIEKLDAQSLNLSQEDFDRYMSGQTSPRKQEAESWS
PDACLGVKQMYKNLDLLSQLNERQERIMNEAKKLEKDLIDWTDGIAREVQDIVEKYP
LEIKPPNQPLAAIDSENVENDKLPPPLQPQVYAG

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [RABGEF1 RAB guanine nucleotide exchange factor \(GEF\) 1 \[Homo sapiens \]](#)

Official Symbol [RABGEF1](#)

Synonyms RABGEF1; rabex 5; RABEX5; RAP1; rabex-5; FLJ32302;

Gene ID [27342](#)

mRNA Refseq [NM_014504](#)

Protein Refseq [NP_055319](#)

MIM [609700](#)

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UniProt ID

Q9UJ41

116 kDa
66.2 kDa
45 kDa
35 kDa
25 kDa
18.4 kDa
14.4 kDa



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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