

Recombinant Human RAPGEF1 protein, His-tagged

Cat. No. RAPGEF1-2180H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAPGEF1 protein(748-1095 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	748-1095 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AASequence	EELIKKLQYRYEKFSPFADTFKKRVSKNTFFVLVRVDELCLVELTEEILKLLMELVFR LVCNGELSLARVLRKNILDKVDQKKLLRCATSSQPLAARGVAARPGTLHDFHSHEIA EQLTLLDAELFYKIEIPEVLLWAKEQNEEKSPNLTQFTEHFNNMSYWVRSIIMLQEKA QDRERLLLKFIMKHLRKLNNFNSYLAILSALDSAPIRRLEWQKQTSEGLAEYCTLID SSSSFRAYRAALSEVEPPCIPYLGLILQDLTFVHLGNPDYIDGKVNFSKRWQQFNILD SMRCFQQAHYDMRRNDDIINFFNDFSDHLAEEALWELSLKIKPRNITRRKTDREEKT
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [RAPGEF1 Rap guanine nucleotide exchange factor \(GEF\) 1 \[Homo sapiens \]](#)

Official Symbol [RAPGEF1](#)

Synonyms RAPGEF1; Rap guanine nucleotide exchange factor (GEF) 1; GRF2, guanine nucleotide releasing factor 2 (specific for crk proto oncogene); rap guanine nucleotide exchange factor 1; C3G; CRK SH3-binding GNRP; guanine nucleotide-releasing factor 2 (specific for crk proto-oncogene); GRF2; DKFZp781P1719;

Gene ID [2889](#)

mRNA Refseq [NM_198679](#)

Protein Refseq [NP_941372](#)

MIM [600303](#)

UniProt ID [Q13905](#)

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