

Recombinant Human RAPGEF3 protein, His-tagged

Cat. No. RAPGEF3-3595H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAPGEF3 protein(441-788 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	441-788 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.
AA Sequence	HFHVEPAGGSEQERSTYVCNKRQQILRLVSQWVALYGSM LHTDPVATSFLQKLSDL VGRDTRLSNLLREQWPERRRCHRLENGCGNASPQMKARNLPVWLPNQDEPLPGS SCAIQVGDKVPYDICRPDHSVLTQLPVTASVREVMAALAQEDGWTGQVLVKVNS AGDAIGLQPDARGVATSLGLNERLFVVPNPQEVHELIPHPDQLGPTVGS AEGLDLVSA KDLAQQLTDHDWSLFNSIHQVELIHVYLG PQHLRDVTTANLERFMRRFNELQYWVA TELCLCPVPGPRAQLLRKFIKLA AHLKEQKNLNSFFAVMFGLSNSAISRLAHTWERLP HKVRKLYSALE
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name [RAPGEF3 Rap guanine nucleotide exchange factor \(GEF\) 3 \[Homo sapiens \]](#)

Official Symbol [RAPGEF3](#)

Synonyms

RAPGEF3; Rap guanine nucleotide exchange factor (GEF) 3; RAP guanine nucleotide exchange factor (GEF) 3; rap guanine nucleotide exchange factor 3; bcm910; cAMP GEF1; EPAC; exchange protein directly activated by cAMP 1; EPAC 1; 9330170P05Rik; exchange factor directly activated by cAMP 1; cAMP-regulated guanine nucleotide exchange factor I; Rap1 guanine-nucleotide-exchange factor directly activated by cAMP; EPAC1; HSU79275; CAMP-GEF1; MGC21410;

Gene ID [10411](#)

mRNA Refseq [NM_001098531](#)

Protein Refseq [NP_001092001](#)

MIM [606057](#)

UniProt ID [O95398](#)

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