

Recombinant Human RAPGEF3, GST-tagged

Cat. No. RAPGEF3-1022H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAPGEF3 (1 aa. - 881 aa.) fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	Rap guanine nucleotide exchange factor 3 is a protein that in humans is encoded by the RAPGEF3 gene.
Molecular Mass	125.8 kDa
Sequence	MVLRRMHRPRSCSYQLLLEHQRPSCIQGLRWTPLTNSEESLDFSESLEQASTERVL RAGRQLHRHLLATCPNLIRDRKYHLRLYRQCCSGRELVDGILALGLGVHSRSQVVGI CQVLLDEGALCHVKHDWAFQDRDAQFYRFPGPPEPEPVGTHEMEEELAEAVALLSQ RGPDALLTVALRKPPGQRTDEELDLIFEELLHIKAVAHLSNSVKRELA AVLLEPHSK AGTVLFSQGDKGTSWYIIWKGSVNVVTHGKGLVTTLHEGDDFGQLALVNDAPRAATI ILREDNCHFLRVDKQDFNRIIKDVEAKTMRLEEKGKVVVLVERASQGAGPSRPPTPG RNRYTVMMSGTPEKILELLEAMGPDSSAHDPTETFLSDFLLTHRVMPSAQLCAALL HHFHVEPAGGSEQERSTYVCNKRQQILRLVSQWVALYGSMLHTDPVATSFLQKLSD LVGRDTRL SNLLREQWPERRRCHRENGCGNASPQMKARNLPVWLPNQDEPLPG SSCAIQVGDKVPYDICRPDHSVLTQLPVTASVREVM AALAQEDGWTGQVLVKVN SAGDAIGLQPDARGVATSLGLNERLFVVPQEVHELIPHPDQLGPTVGSAEGLDLVS AKDLAQQLTDHDWSLFNSIHQVELIHVYVLPQHLRDVTTANLERFMRRFNELQYWV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ATELCCLCPVPGPRAQLLRKFIKLAHLKEQKNLNSFFAVMFGLSNSAISRLAHTWERL
PHKVRKLYSALERLLDPSWNHRVYRLALAKLSPPVIPFMPLLLKDMTFIHEGNHTLVE
NLINFEKMRMMARAARMLHHCRSHNPVPLSPLRSRVSHLHEDSQVARISTCSEQSL
STRSPASTWAYVQQLKVIDNQRELSRLSRELEP

Storagebuffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.

Applications ELISA; WB

Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

OfficialSymbol RAPGEF3

GENE INFORMATION

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

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

Gene ID [10411](#)

mRNA Refseq [NM_006105](#)

Protein Refseq [NP_006096](#)

MIM [606057](#)

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UniProt ID	O95398
Chromosome Location	12q13.1
Pathway	Leukocyte transendothelial migration; Long-term potentiation; Diabetes pathways; Hemostasis; Integrin cell surface interactions
Function	cAMP binding; cAMP-dependent protein kinase regulator activity; guanyl-nucleotide exchange factor activity; protein binding

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