

## Recombinant Human RAPGEF3, GST-tagged

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human RAPGEF3 (1 aa. - 881 aa.) fused with GST-tag at N-terminal, was expressed in wheat germ.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Wheat Germ  |
| <b>Description</b>      | Rap guanine nucleotide exchange factor 3 is a protein that in humans is encoded by the RAPGEF3 gene.  |
| <b>Molecular Mass</b>   | 125.8 kDa   |
| <b>Sequence</b>         | MVLRMRHRPRSCSYQLLLEHQRPSCIQGLRWTPLTNSEESLDFSESLEQASTERVL<br>RAGRQLHRHLLATCPNLIRDRKYHLRLYRQCCSGRELVDGILALGLGVHSRSQVVGI<br>CQVLLDEGALCHVKHDWAFQDRDAQFYRFPGPEPEPVGTHEMEEELAEAVALLSQ<br>RGPDALLTVALRKPPGQRTDEELDLIFEELLHIKAVAHLSNSVKRELAAVLLFEPHSK<br>AGTVLFSQGDKGTSWYIIWKGSVNVVTHGKGLVTTLHEGDDFGQLALVNDAPRAATI<br>ILREDNCHFLRVDKQDFNRIIKDVEAKTMRLEEKGKVVVLVERASQGAGPSRPPTPG<br>RNRYTVMMSGTPEKILELLEAMGPDSSAHDPTETFLSDFLLTHRVMPSAQLCAALL<br>HHFHVEPAGGSEQERSTYVCNKRQQILRLVSQWVALYGSMLHTDPVATSFLQKLSL<br>LVGRDTRLSNLLREQWPERRRCHRENGCGNASPQMARNLPVWLPNQDEPLPG<br>SSCAIQVGDKVPYDICRPDHSVLTQLPVTASVREVMALAQAEDGWTGQVLVKVN<br>SAGDAIGLQPDARGVATSLGLNERLFVVPQEVHELIPHPDQLGPTVGS AEGLDLVS<br>AKDLAQQLTDHDWLSFNLSIHQVELIHYVLGPQHRLRDVTTANLERFMRRFNELQYWV |

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

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

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

ATELCLCPVPGPRAQLLRKFIKLAHLKEQKNLNSFFAVMFGLSNSAISRLAHTWERL  
 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](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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