

Recombinant Human Rap guanine nucleotide exchange factor (GEF) 3

Cat. No. RAPGEF3-1032H **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	E.coli
Description	EPAC (exchange protein directly activated by cAMP) is a Rap-specific guanine-nucleotide exchange factor (GEF). EPAC is activated by the binding of cAMP to a cyclic nucleotide monophosphate-binding domain. N-terminal deletion of the DEP domain (domain that occur in Dishevelled, Egl-10, and Pleckstrin) of EPAC_DEP does not affect regulation of EPAC-activity but affects membrane localization.
Usage	For in vitro use only.
Form	Liquid. Supplied in 50 mM Tris-HCl pH 7.6, 50 mM NaCl, 5 mM DTE and 5 % glycerol.
Purity	> 95% by SDS-PAGE.
Storage	Quality guaranteed for 12 months, Store at -80°C. Avoid freeze / thaw cycles.

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;

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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_001098531](#)

Protein Refseq [NP_001092001](#)

MIM [606057](#)

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; nucleotide binding

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