Recombinant Human RAP1B, Member Of RAS Oncogene Family

Cat. No. RAP1B-1127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	E.coli
Description	Rap (Ras-proximate) proteins are GTPases that belong to the Ras superfamily of small GTP binding proteins. Rap1B is known to antagonize the mitotic and transforming activity of Ras. Rap1B can be activated by cAMP known to either stimulate or inhibit cell proliferation. The deletion of 17 C-terminal amino acids in Rap1B △C leads to the loss of the phosphorylation site Ser179 and the geranyl-geranylation site. Protein preparation is 53% GDP- and 47% GTP-loaded, measured by HPLC.MW = 19.0 kDa.
Purity	> 95% by SDS-PAGE.
Form	Liquid. Supplied in 64 mM Tris-HCl pH 7.0, 5 mM DTE, 400 mM NaCl, 10 mM MgCl2 and 0.1 mM GDP.
Storage	Quality guaranteed for 12 months. Store at -80°C.Avoid freeze / thaw cycles.
Usage	For in vitro use only.

GENE INFORMATION

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

Gene Name	RAP1B RAP1B, member of RAS oncogene family [Homo sapiens]
Synonyms	RAP1B, member of RAS oncogene family; K-REV; RAL1B; DKFZp586H0723; RAP1B; RAS-related protein RAP1B; small GTP binding protein; Ras family small GTP binding protein RAP1B; OTTHUMP00000165026; GTP-binding protein smg p21B
Gene ID	5908
mRNA Refseq	NM_001010942
Protein Refseq	NP_001010942
MIM	179530
UniProt ID	P61224
Chromosome Location	12q14
Pathway	Chemokine signaling pathway; Focal adhesion; Leukocyte transendothelial migration; Long-term potentiation; MAPK signaling pathway; Neurotrophin signaling pathway; Renal cell carcinoma; Diabetes pathways; Hemostasis; Integrin cell surface interactions
Function	GTP binding; GTPase activity; nucleotide binding; protein binding

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