Recombinant Human RAP1A, His-tagged

Cat. No. RAP1A-30502TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RAP1A G12V with His tag.
Species	Human
Source	E.coli
Description	The product of this gene belongs to the family of RAS-related proteins. These proteins share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. The most striking difference between RAP proteins and RAS proteins resides in their 61st amino acid: glutamine in RAS is replaced by threonine in RAP proteins. The product of this gene counteracts the mitogenic function of RAS because it can interact with RAS GAPs and RAF in a competitive manner. Two transcript variants encoding the same protein have been identified for this gene.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 5mM Magnesium chloride, 5mM Beta mercaptoethanol, 25mM Tris HCl, 150mM Sodium chloride, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Full Length	Full L.

GENE INFORMATION

Gene Name	RAP1A RAP1A, member of RAS oncogene family [Homo sapiens]
Official Symbol	RAP1A
Synonyms	RAP1A; RAP1A, member of RAS oncogene family; ras-related protein Rap-1A; KREV 1; SMGP21;
Gene ID	5906
mRNA Refseq	NM_001010935
Protein Refseq	NP_001010935
MIM	179520
Uniprot ID	P62834
Chromosome Location	1p13.3
Pathway	ARMS-mediated activation, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class I PI3K signaling events, organism-specific biosystem;
Function	GTP binding; GTPase activity; Ras GTPase binding; nucleotide binding; protein

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	binding;

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