

## Recombinant Human RAP1A, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human RAP1A G12V with His tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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.</p>
<b>Conjugation</b>	HIS
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 5mM Magnesium chloride, 5mM Beta mercaptoethanol, 25mM Tris HCl, 150mM Sodium chloride, pH 7.5
<b>Storage</b>	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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