

Recombinant Human RAP2B

Cat. No. RAP2B-30505TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RAP2B expressed in <i>Saccharomyces cerevisiae</i> ; amino acids 1-183; 183 amino acids, 20.5kDa.
Species	Human
ProteinLength	1-183 a.a.
Description	This intronless gene belongs to a family of RAS-related genes. The proteins encoded by these genes share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. The most striking difference between the RAP and RAS proteins resides in their 61st amino acid: glutamine in RAS is replaced by threonine in RAP proteins. Evidence suggests that this protein may be polyisoprenylated and palmitoylated.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Sequences of amino	MREYKVVVLGSGGVGKSALTVQFVTGFSFIEKYDPTIEDFY RKEIEVDSSPSVLEILDIT

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acids AGTEQFASMRDLYIKNGQGFIL VYSLVNQQSFQDIKPMRDQIIRVKRYERVPMILVG
NKVDL EGEREVSYGEGKALAEWSCPFMETSANKKASVDELFAEI VRQMNYAAQP
NGDEGCCSACVIL

Full Length Full L.

GENE INFORMATION

Gene Name [RAP2B](#) [RAP2B, member of RAS oncogene family \[Homo sapiens \]](#)

Official Symbol [RAP2B](#)

Synonyms RAP2B; RAP2B, member of RAS oncogene family; ras-related protein Rap-2b; Ras family small GTP binding protein RAP2B; Ras related protein RAP 2B; small GTP binding protein;

Gene ID [5912](#)

mRNA Refseq [NM_002886](#)

Protein Refseq [NP_002877](#)

MIM [179541](#)

Uniprot ID [P61225](#)

Chromosome Location 3q25.2

Function GTP binding; GTPase activity; nucleotide binding; protein domain specific binding;

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