

## Recombinant Human RAP2B, His-tagged

Cat. No. RAP2B-7522H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human RAP2B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-183aa
<b>Antigen Description</b>	Ras-related protein Rap-2b, also known as RAP2B, belongs to a family of RAS-related genes. Unlike normal ras proteins that have a nontransforming glutamine residue at aa 61, Rap2B has a threonine residue in that position. This change makes the intrinsic GTPase activity for Rap2B lower, thereby allowing it to exist in the activated state for a longer period of time than normal ras proteins. RAP2B is a platelet protein that is activated by thrombin and involved in platelet activation. RAP2B may be a novel candidate oncogene that plays important roles in carcinogenesis through activation of NF-kappaB pathway.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
<b>Molecular Mass</b>	22.9kDa (206aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSH MGSMREYKVV VLGSGGVGKS ALTVQFVTGS FIEKYDPTIE DFYRKEIEVD SSPSVLEILD TAGTEQFASM RDLYIKNGQG

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FILVYSLVNQ QSFQDIKPMR DQIIRVKRYE RVPMILVGNK VDLEGEREVS  
 YGEGKALAEW WSCPFMETSAN KNKASVDELF AEIVRQMNYA AQPNGDEGCC  
 SACVIL

**Purity** >95% as determined by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml

## 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](#); [MGC20484](#);

**Gene ID** [5912](#)

**mRNA Refseq** [NM\\_002886](#)

**Protein Refseq** [NP\\_002877](#)

**MIM** [179541](#)

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<b>UniProt ID</b>	P61225
<b>Chromosome Location</b>	3q25.2
<b>Function</b>	GTP binding; GTPase activity; nucleotide binding; protein domain specific binding;

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