

Recombinant Human RAP2B, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human RAP2B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-183aa
Antigen Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	22.9kDa (206aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMREYKVV VLGSGGVGKS ALTVQFVTGS FIEKYDPTIE DFYRKEIEVD SSPSVLEILD TAGTEQFASM RDLYIKNGQG

 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

FILVYSLVNQ QSFQDIKPMR DQIIRVKRYE RVPMILVGNK VDLEGEREVS
YGEKGALAEW 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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UniProt ID	P61225
Chromosome Location	3q25.2
Function	GTP binding; GTPase activity; nucleotide binding; protein domain specific binding;

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