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RAP2B Human

RAP2B, Member RAS Oncogene Family Human Recombinant
RCP1811

Product Overview

Name	RAP2B Human
Description	
RAP2B, Member RAS Oncogene Family Human Recombinant	
Accession (Primary)	P61225
Synonyms	
RAP2B, member of RAS oncogene family, Ras-related protein Rap-2b, Ras Family Small GTP Binding Protein RAP2B2, Small GTP Binding Protein.	
Introduction	
Ras-related protein Rap-2b (RAP2B) is a part of RAS-related genes family. RAP2B has a threonine residue at aa 61Unlike normal ras proteins which have a nontransforming glutamine residue at that position. The threonine residue makes the intrinsic GTPase activity for Rap2B lower, by this means allows RAP2B to exist in the activated state for a longer period of time than normal ras proteins. RAP2B is a platelet protein which is activated by thrombin and involved in platelet activation. RAP2B may be a candidate oncogene which takes part in carcinogenesis through activation of NF-kappaB pathway.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
RAP2B protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MREYKVV VLGSGGVGKS ALTVQFVTGS FIEKYDPTIE DFYRKEIEVD SSPSVLEILD TAGTEQFASM RDLYIKNGQG FILVYSLVNQ QSFQDIKPMR DQIIRVKRYE RVPMILVGNK	

VDLEGEREVS YGEGKALAEE WSCPFMETSA KNKASVDELF AEIVRQMNYA AQPNGDEGCC SACVIL.

Precautions

RAP2B Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P61225)