

RAP2B Human

Description: RAP2B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 206 amino acids (1-183 a.a) and having a molecular mass of 22.9kDa. RAP2B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-1371

For research use only.

Synonyms: RAP2B, member of RAS oncogene family, Ras-related protein Rap-2b, Ras Family Small GTP Binding Protein RAP2B2, Small GTP Binding Protein.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMREYKVV VLGSGGVGKS
ALT VQFVTGS FIEKYDPTIE DFYRKEIEVD SSPSVLEILD TAGTEQFASM RDL YIKNGQG
FILVYSLVNQ QSFQDIKPMR DQIIRVKRYE RVPMILVGNK VDLEGEREVS YGEGKALAE
E WSCPFMETS AKNKASVDELF AEIVRQMNYA AQPNGDEGCC SACVIL.

Purity: Greater than 95% as determined by SDS-PAGE.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Ras-related protein Rap-2b (RAP2B) is a part of RAS-related genes family. RAP2B has a threonine residue at aa 61. Unlike 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.

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