

## 32-4603: Recombinant Human RAP2B, Member RAS Oncogene Family

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

### Description

Source : E.coli. 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. 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.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** RAP2B protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMEYKVV VLGSGGVGKS ALTVQFVTGS FIEKYDPTIE DFYRKEIEVD SSPSVLEILD TAGTEQFASM RDLYIKNGQG FILVYSLVNQ QSFQDIKPMR DQIIRVKRYE RVPMLVGNK VDLEGEREVS YGEGKALAE WSCPFMETS KNKASVDELF AEIVRQMNYA AQPNGDEGCC SACVIL.

