

## RAP1B Human

**Description:** RAP1B produced in E.Coli is a single, non-glycosylated polypeptide chain containing 201 amino acids (1-181.a.a) and having a molecular mass of 22.6kDa. RAP1B is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-090

For research use only.

**Synonyms:** RAP1B, member of RAS oncogene family, DKFZp586H0723, K-REV, RAL1B, GTP-binding protein smg p21B, Ras family small GTP binding protein RAP1B, RAS-related protein RAP1B, small GTP binding protein.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MREYKLVVLG SGGVGKSALT  
VQFVQGIFVE KYDPTIEDSY RKQVEVDAQQ CMLEILDTAG TEQFTAMRDL YMKNQGQGFAL  
VYSITAQSTF NDLQDLREQI LRVKDTDDVP MILVGKNCDL EDERVVGKEQ GQNLARQWNN  
CAFLESSAKS KINVNEIFYD LVRQINRKTP VPGKARKKSS C

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

The RAP1B protein solution (0.25mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% glycerol.

**Usage:**

NeoBiolabs 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:**

RAP1B is a member of a superfamily of RAS-like small GTP-binding proteins which takes part in cell signaling. RAP1B owns an intrinsic GTPase activity and is universally expressed in mammalian tissues. The alleged effector domain of Ras proteins, whose integrity is required for cell transformation as well as interaction with the putative effector protein GAP, is conserved in both Rap 1 proteins.

**Storage:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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