

**RAP1B, 1-181aa, Human, His tag, E.coli**

**Cat.NO.: TP03675**

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3th Edition

**Synonyms:**Ras-related protein Rap-1b, DKFZp586H0723, K-REV, RAL1B

**Description:**RAP1B belongs to a superfamily of RAS-like small GTP-binding proteins involved in cell signaling. It possesses intrinsic GTPase activity and is ubiquitously expressed in mammalian tissues. The putative 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.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl,5mM DTT, 20% glycerol

**Molecular Weight:**22.6 kDa (201aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMREYKLVVLGSGGVGKSALTVQFVQGIFVEKYDPTIEDSYRKQVEVDAQQCMLEI  
LDTAGTEQFTAMRDLYMKNQGQGFALVYSITAQSTFNDLQDLREQILRVKDTDDVPMILVGNKCDLEDERVVGKEQG  
QNLARQWNNCAFLESSAKSKINVNEIFYDLVRQINRKTVPVPGKARKKSSC

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.