

RAP2A, 1-180aa, Human, His tag, E.coli

Cat.NO.: TP03676

3th Edition

Synonyms:Ras-related protein Rap-2a, K-REV, KREV, RAP2, RbBP-30

Description:RAP2A, also known as RAP2, is a member of RAS oncogene family and a Ras-like small G protein. This protein shares 60% identity with Rap1A and exhibits a carboxy-terminal CAAX motif and two upstream cysteines similar to those of the H-Ras, K-Ras and N-Ras proteins. In contrast with Rap1A and Rap1B, overexpression of RAP2A does not interfere with the Ras signaling pathway. Recombinant human RAP2A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl,1mM DTT, 10% glycerol

Molecular Weight:22.4 kDa (200aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMREYKVVVLGSGGVGKSALTVQFVTGTFIEKYDPTIEDFYRKEIEVDSSPSVLEILD
TAGTEQFASMRDLYIKNGQGFIYSLVNQQSFQDIKPMRDQIIRVKRYEKVPVILVGNKVDLESEREVSSEGRALA
EEWGCPFMETSAKSKTMVDELFAEIVRQMNYAAQPKDDPCCSAC

Purity:> 95% by HPLC

Concentration:1 mg/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.