

RAP1A Human

Description: RAP1A Recombinant E.coli 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 22.8 kDa. The RAP1A is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-855

For research use only.

Synonyms: KREV1, G-22K, C21KG, RAP1A, RAP1, Ras-related protein Rap-1A, GTP-binding protein smg p21A, Ras-related protein Krev-1.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MREYKLVVLG SGGVGKSALT
VQFVQGIFVE KYDPTIEDSY RKQVEVDCQQ CMLEILDTAG TEQFTAMRDL YMKNQGQGFAL
VYSITAQSTF NDLQDLREQI LRVKDTEDVP MILVGKCDL EDERVVGKEQ GQNLARQWCN
CAFLESSAKS KINVNEIFYD LVRQINRKTP VEKKKPKKKS C.

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:

RAP1A Human solution containing 20mM Tris HCL pH-7.5, 5mM DTT, 0.2M NaCl & 40% glycerol.

Stability:

RAP1A Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.
Please prevent 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:

RAP1A is part of the family of RAS-related proteins which possess 50% amino acid identity with the classical RAS proteins and have various structural characteristics in common. RAP proteins differ from RAS proteins in their 61st amino acid, glutamine in RAS is replaced by threonine in RAP proteins. RAP1A induces morphological reversion of a cell line transformed by a Ras oncogene and counteracts the mitogenic function of Ras, since it can interact with Ras GAPs and RAF in a competitive manner.

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