

RAP1A, 1-181aa, Human, His tag, E.coli

Cat.NO.: TP03674

3th Edition

Synonyms:Ras-related protein Rap-1A, KREV1, G-22K, C21KG

Description:Ras-related protein Rap-1A (RAP1A) belongs to the family of RAS-related proteins. These proteins share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. The most striking difference between RAP proteins and RAS proteins resides in their 61st amino acid: glutamine in RAS is replaced by threonine in RAP proteins.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol,5mM DTT, 200mM NaCl

Molecular Weight:22.8kDa (201aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMREYKLVVLGSGGVGKSALTVQFVQGIFVEKYDPTIEDSYRKQVEVDCQQCMLEI
LDTAGTEQFTAMRDLYMKNQGQGFALVYSITAQSTFNDLQDLREQILRVKDTEDVPMILVGNKCDLEDERVVGKEQG
QNLARQWCNCAFLESSAKSKINVNEIFYDLVRQINRKTTPVEKKKPKKKSC

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.