

RAB2A, 1-212aa, Human, His tag, E.coli

Cat.NO.: TP03632

3th Edition

Synonyms: ras-related protein Rab-2A, RAB2

Description: RAB2A (Ras-related protein Rab-2A) belongs to the small GTPase superfamily. Members of the RAB protein family are nontransforming monomeric GTP-binding proteins of the Ras superfamily that contain 4 highly conserved regions involved in GTP binding and hydrolysis. RAB proteins are also an integral part of endocytic pathways. RAB2A and RAB2B are required for protein transport from the ER to the Golgi, RAB2A is lipid-anchored to the ER-Golgi intermediate compartment membrane while RAB2B is lipid anchored to the cytoplasmic side of the cell membrane.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl

Molecular Weight: 26.1kDa (236aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHSGSHMAYAYLFKYIIIGDTGVGKSCLLQFTDKRFQPVHDLTIGVEFGARMITIDGK
QIKLQIWDTAGQESFRSITRSYYRGAAGALLVYDITRRDTFNHLTTWLEDARQHSNSNMVIMLIGNKSDLESRREVK
KEEGEAFAREHGLIFMETS AKTASNVEEAFINTAKEIYEKIQEGVFDINNEANGIKIGPQHAATNATHAGNQQGQQA
GGGCC

Purity: > 95% by HPLC

Concentration: 0.5mg/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.