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RAB31 Human

Catalog #:PRPS-1097

For research use only.

Description:RAB31 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 232 amino acids (1-195 a.a) and having a molecular mass of 25.9kDa.RAB31 is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Ras-related protein Rab-31, Ras-related protein Rab-22B, RAB31, RAB22B.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMMA IRELKVCLLG DTGVGKSSIV CRFVQDHFDH NISPTIGASF MTKTVPCGNE LHKFLIWDTA GQERFHSLAP MYYRGSAAAV IVYDITKQDS FYTLKKWVKE LKEHGPENIV MAIAGNKCDL SDIREVPLKD AKEYAESIGA IVVETSAKNA INIEELFQGI SRQIPPLDPH ENGNNGTIKV EKPTMQASRR CC

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
RAB31 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 30% glycerol.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
RAB31 Member RAS Oncogene Family (RAB31) is a 194 amino lipid-anchored protein which localizes to the cytoplasmic side of the cell membrane and is a member of the Ras related GTPase superfamily. RAB31 is expressed at high levels in the lung, brain and heart. RAB31 functions in a similar mode to other Rab proteins, namely playing a part in protein transport. Small GTP-binding proteins of the RAB family, for example RAB31, play critical roles in vesicle and granule targeting. RAB31 gas the highest expression in the placenta and brain with lower levels in the heart and lung. However, RAB31 is not detected in liver, skeletal muscle, kidney or pancreas.

Storage:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

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