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**RAB5A Human
RECOMBINANT PROTEIN**

Catalog Number: PRP-590
Quantity: 5 micrograms, 20 micrograms
Format: Sterile Filtered colorless solution containing 20mM Tris, pH-8
Host: *Escherichia Coli*

Background:

RAB5A is a member of RAS oncogene family. The small GTPase, RAB5A is a crucial regulatory component of the endocytic pathway. Activation of RAB5A is mediated by GDP-GTP exchange factors (GEFs) that generate the Rab5-GTP complex). RAB5A is required for the fusion of plasma membranes and early endosomes.

Specificity and Preparation:

RAB5A Human Recombinant produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 215 amino acids and having a molecular mass of 23kDa. Greater than 95.0% purity as determined by analysis by RP-HPLC and SDS-PAGE.

Amino Acid Sequence:

MASRGATRPN GPNTGNKICQ FKLVLLGESA VGKSSLVLRV VKGQFHEFQE
STIGAAFLTQTVCLDDTTVK FEIWDTAGQE RYHSLAPMYR RGAQAAIVVY DITNEESFAR
AKNWKELQRQASPNIVIAL SGNKADLANK RAVDFQEAQS YADDNSLLFM ETSAKTSMNV
NEIFMAIAKKLPKNPQNPG ANSARGRGVD LTEPTQPTRN QCCSN.

Usage and Storage:

RAB5A although stable at 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

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