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## Product Data Sheet

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Product Name: RAB5A Human

Cat. No.: GP24301

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Ras-related protein Rab-5A; RAB5A; RAB5.

Amino Acid Sequence  
 MASRGATRPN GPNTGNKICQ FKLVLLGESA VGKSSLVLRV VKGQFHEFQE  
 STIGAAFLTQTVCLDDTTVK FEIWDTAGQE RYHSLAPMYR RGAQAAIVVY  
 DITNEESFAR AKNWVKELQRQASPNIVIAL SGNKADLANK RAVDFQEAQS  
 YADDNSLLFM ETSAKTSMNV NEIFMAIAKKLPKNEPQNPG ANSARGRGVD  
 LTEPTQPTRN QCCSN.

Formulation The protein solution contains 20mM Tris-HCl pH-8.

**Introduction**

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.

**Stability**

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). Please prevent freeze-thaw cycles.

**Background**

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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