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**Product Data Sheet**


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Product Name: RAB14 Human  
 Cat. No.: GP24282  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	RAB14 member RAS oncogene family; FBP; bA165P4.3 (member RAS oncogene family); F protein-binding protein 1; ras-related protein Rab-14; small GTP binding protein RAB14.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMATAPYN YSYIFKYIII GDMGVGKSC LHQFTEKKFM ADCPHTIGVE FGTRIIIVSG QKIKLQIWDT AGQERFRAVT RSYRGAAGA LMVYDITRRS TYNHLSSWLT DARNLTNPNT VIILIGNKAD LEAQRDVTYE EAKQFAEENG LLFLEASAKT GENVEDAFLE AAKKIYQNIQ DGSLDLNAAE SGVQHKPSAP QGGRLTSEPQ PQREGCGC		
Formulation	RAB14 protein 0.5mg/ml is supplied in 20mM Tris-HCL, pH-8, 0.1M NaCl, 1mM DTT and 20% Glycerol.		

**Introduction**

RAB14 belongs to the RAB protein family, low molecular mass monomeric GTPases which is found on the cytoplasmic surfaces of distinct membrane bound organelles. RAB14 has a role in vesicular trafficking and neurotransmitter release throughout the body and is expressed at high levels in brain, lung, kidney, spleen and thymus. In addition, RAB14 takes part in the biosynthetic/recycling pathway between the Golgi and endosomal compartments.

**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). Avoid multiple freeze-thaw cycles.

**Background**

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

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RAB14 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 238 amino acids (1-215) and having a molecular mass of 26.3 kDa. The RAB14 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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