

---

## Product Data Sheet

---

Product Name: RAB7A Human  
 Cat. No.: GP24305  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	RAB7A member RAS oncogene family; RAB7; ras-related protein Rab-7a; FLJ20819; PSN; CMT2B; PRO2706.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MTSRKKVLLK VIILGDSGVG KTSLMNQYVN KKFSNQYKAT IGADFLTKEV MVDDRLVTMQ IWDTAGQERF QSLGVAFYRG ADCCVLVFDV TAPNTFKTLD SWRDEFLIQA SPRDPENFPF VVLGNKIDLE NRQVATKRAQ AWCYSKNNIP YFETSAKEAINVEQAFQTIA RNALKQETEV ELYNEFPEPI KLDKNDRAKA SAESCSC.		
Formulation	The RAB7A protein solution (0.5mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 1mM DTT, 100mM NaCl and 30% glycerol.		

### Introduction

RAB7A belongs to the Ras superfamily of small Rab GTPases. RAB7A connects with the RIPL effector protein to regulator membrane trafficking from early to late endosome and to lysosomes. RAB7A can also regulate growth receptor endocytic trafficking, degradation, maturation of phagosome and autophagic vacuoles.

### 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

RAB7A produced in E.Coli is a single, non-glycosylated polypeptide chain containing 227 amino acids (1-207a.a.) and having a molecular mass of 25.6kDa. RAB7A is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA