

---

## Product Data Sheet

---

Product Name: RAB31 Human  
 Cat. No.: GP24293  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ras-related protein Rab-31; Ras-related protein Rab-22B; RAB31; RAB22B.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMMA IRELKVCLLG DTGVGKSSIV CRFVQDHFHDH NISPTIGASF MTKTVPCGNE LHKFLIWDTA GQERFHSLAP MYYRGSAAAV IVYDITKQDS FYTLKKWVKE LKEHGPENIV MAIAGNKCDL SDIREVPLKD AKEYAESIGA IVVETSAKNA INIEELFQGI SRQIPPLDPH ENGNNGTIKV EKPTMQASRR CC.		
Formulation	RAB31 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 30% glycerol.		

### 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 has 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.

### 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.**

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

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

---

## Product Data Sheet

---

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.

**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**