

RAB31 Protein, Human (His)

Cat. No.:	HY-P76561
Synonyms:	Ras-related protein Rab-31; Ras-related protein Rab-22B; RAB31; RAB22B
Species:	Human
Source:	E. coli
Accession:	NP_006859 (M1-C195)
Gene ID:	11031
Molecular Weight:	Approximately 26 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The RAB31 protein exhibits GDP binding activity and GTP binding activity, participating in various processes, such as Golgi to plasma membrane protein transport, cellular response to insulin stimulus, and receptor internalization. It is predominantly found in the early endosome, phagocytic vesicle, and the trans-Golgi network membrane. Additionally, RAB31 serves as a biomarker for severe acute respiratory syndrome. It shows broad expression across multiple tissues, including the brain, adrenal glands, and 22 other tissues.
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Caution: Product has not been fully validated for medical applications. For research use only.

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