

RAB6A Protein, Human (His)

Cat. No.:	HY-P75997
Synonyms:	Ras-related protein Rab-6A; Rab-6; RAB6A; RAB6
Species:	Human
Source:	E. coli
Accession:	P20340-2 (M1-C208)
Gene ID:	5870
Molecular Weight:	Approximately 26 kDa

PROPERTIES

AA Sequence	<pre> M S T G G D F G N P L R K F K L V F L G E Q S V G K T S L I T R F M Y D S F D N T Y Q A T I G I D F L S K T M Y L E D R T I R L Q L W D T A G Q E R F R S L I P S Y I R D S A A A V V V Y D I T N V N S F Q Q T T K W I D D V R T E R G S D V I I M L V G N K T D L A D K R Q V S I E E G E R K A K E L N V M F I E T S A K A G Y N V K Q L F R R V A A A L P G M E S T Q D R S R E D M I D I K L E K P Q E Q P V S E G G C S C </pre>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>The RAB6A protein engages in specific interactions within cellular processes, forming a complex with BICD1 as evidenced by studies. Additionally, RAB6A demonstrates direct interaction with DYNLRB1 when in its GDP-bound state. This interaction suggests a regulatory role for RAB6A in coordinating cellular functions associated with DYNLRB1. Moreover, in its GTP-bound state, RAB6A interacts with VPS13B, indicating its involvement in molecular pathways associated with VPS13B. These interactions highlight the versatile nature of RAB6A in modulating various cellular processes and emphasize the need for further exploration to unravel the specific roles and regulatory mechanisms underlying these associations.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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