

## Product datasheet for PH311472

### RAB12 (NM\_001025300) Human Mass Spec Standard

#### Product data:

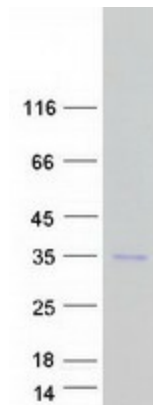
Product Type:	Mass Spec Standards
Description:	RAB12 MS Standard C13 and N15-labeled recombinant protein (NP_001020471)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211472
Predicted MW:	27.1 kDa
Protein Sequence:	>RC211472 representing NM_001025300 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MDPGAALQRRAGGGGLGAGSPALSGGQRRRQPPRPADFKLQVIIIGSRGVGKTSLMERFTDDTFCEA CKSTVGVDKIKTVELRGKKIRLQIWDTAGQERFNSITSAYYRSKGIILVYDITKKETFDLPKWMKMI DKYASEDAELLLVGNKLCETDREITRQQGEKFAQQITGMRFCEASAKDNFNVDIEFLKLVDILKKMPL DILRNELSNSILSLQPEPEIPPELPPRPHVRCC  <b>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001020471</a>
RefSeq Size:	2138
RefSeq ORF:	732
Locus ID:	201475
UniProt ID:	<a href="#">Q6IQ22</a>
Cytogenetics:	18p11.22



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**Summary:**

The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab may play a role in protein transport from recycling endosomes to lysosomes regulating, for instance, the degradation of the transferrin receptor. Involved in autophagy (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**

Coomassie blue staining of purified RAB12 protein (Cat# [TP311472]). The protein was produced from HEK293T cells transfected with RAB12 cDNA clone (Cat# [RC211472]) using MegaTran 2.0 (Cat# [TT210002]).