

## Product datasheet for PH302572

### Rab4 (RAB4A) (NM\_004578) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RAB4A MS Standard C13 and N15-labeled recombinant protein (NP_004569)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202572
Predicted MW:	24.4 kDa
Protein Sequence:	>RC202572 protein sequence Red=Cloning site Green=Tags(s)  MSQTAMSETYDFLFLFKFLVIGNAGTGKSCLLHQFIEKKFKDDSNHTIGVEFGSKIINVGGKYVKLQIWDTA GQERFRSVTRSYRGAAGALLVYDITSRETYNALTNWLT DARM LASQNIIVILCGNKDLDADREVTFL E ASRFAQENELMFLETSALTGENVEEAFVQCARKILNKIESGELDPERMGSGIQYGDAALRQLRSPRAQA PNAQECGC  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_004569</a>
RefSeq Size:	3056
RefSeq ORF:	654
Synonyms:	HRES-1; HRES-1/RAB4; HRES1; RAB4
Locus ID:	5867
UniProt ID:	<a href="#">P20338</a> , <a href="#">A0A024R3U9</a>



[View online »](#)

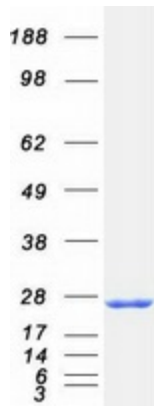
Cytogenetics: 1q42.13

**Summary:** This gene is a member of the largest group in the Ras superfamily of small GTPases, which regulate membrane trafficking. The encoded protein is associated with early endosomes and is involved in their sorting and recycling. The protein also plays a role in regulating the recycling of receptors from endosomes to the plasma membrane. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2012]

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis

### Product images:



Coomassie blue staining of purified RAB4A protein (Cat# [TP302572]). The protein was produced from HEK293T cells transfected with RAB4A cDNA clone (Cat# [RC202572]) using MegaTran 2.0 (Cat# [TT210002]).