

Product datasheet for PH304318

RAB30 (NM_014488) Human Mass Spec Standard

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | RAB30 MS Standard C13 and N15-labeled recombinant protein (NP_055303) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC204318 |
| Predicted MW: | 23.1 kDa |
| Protein Sequence: | >RC204318 protein sequence Red=Cloning site Green=Tags(s) MSMEDYDFLFKIVLIGNAGVGKTCLVRRFTQGLFPPGQGATIGVDFMIKTVEINGEKVKLQIWDTAGQER FRSITQSYRSANALILTYDITCEESFRCLPEWLREIEQYASNKVITVLVGNKIDLAERREVSQQRAEEF SEAQDMYLETSAKESDNVEKFLDLACRLISEARQNTLVNNVSSPLPGEKGKISISYLTCCNFN TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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: | NP_055303 |
| RefSeq Size: | 9986 |
| RefSeq ORF: | 609 |
| Locus ID: | 27314 |
| UniProt ID: | Q15771 , A8K5R1 |
| Cytogenetics: | 11q14.1 |



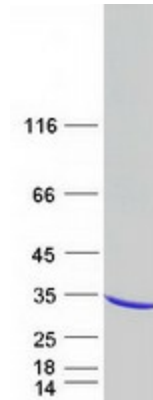
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Summary:

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 (By similarity). Required for maintaining the structural integrity of the Golgi apparatus, possibly by mediating interactions with cytoplasmic scaffolding proteins. [UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome

Product images:

Coomassie blue staining of purified RAB30 protein (Cat# [TP304318]). The protein was produced from HEK293T cells transfected with RAB30 cDNA clone (Cat# [RC204318]) using MegaTran 2.0 (Cat# [TT210002]).