

## Product datasheet for **TP302196L**

### **RAB38 (NM\_022337) Human Recombinant Protein**

#### Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human RAB38, member RAS oncogene family (RAB38), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC202196 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MQAPHKEHLYKLLVIGDLGVGKTSIIKRYVHQNFSSHYRATIGVDFALKVLHWDPETVRLQLWDIAGQE  
RFGNMTRVYYREAMGAFIVFDVTRPATFEAVAKWKNDLDSKLSLPLNGKPVSWLLANKCDQGDVLMNNG  
LKMDQFCKEHGFVGVWFETSAKENINIDEASRCLVKHILANECDLMESIEPDVVKPHLTSTKVASCSCGCAK  
S

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag: C-Myc/DDK

Predicted MW: 23.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP\\_071732](#)

Locus ID: 23682

UniProt ID: [P57729](#), [A0A024R191](#)



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RefSeq Size: 1479

Cytogenetics: 11q14.2

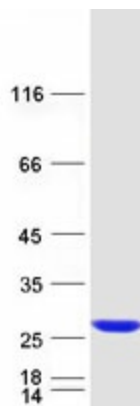
RefSeq ORF: 633

Synonyms: NY-MEL-1; rrGTPbp

**Summary:** May be involved in melanosomal transport and docking. Involved in the proper sorting of TYRP1. Involved in peripheral melanosomal distribution of TYRP1 in melanocytes; the function, which probably is implicating vesicle-trafficking, includes cooperation with ANKRD27 and VAMP7 (By similarity). Plays a role in the maturation of phagosomes that engulf pathogens, such as *S.aureus* and *M.tuberculosis* (PubMed:21255211). Plays an important role in the control of melanin production and melanosome biogenesis (PubMed:23084991). In concert with RAB32, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified RAB38 protein (Cat# [TP302196]). The protein was produced from HEK293T cells transfected with RAB38 cDNA clone (Cat# [RC202196]) using MegaTran 2.0 (Cat# [TT210002]).