

## Product datasheet for TP328755

### RAB7B (NM\_001164522) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human RAB7B, member RAS oncogene family (RAB7B), transcript variant 2, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC228755 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MNPRKKVDLKLIIVGAIGVGKTSLLHQYVHKTfYEEYQTTLGASILSKIIILGDTTLKLQIWDTTGGQERF  
RSMVSTFYKGS DGCILAFDVTDLSEFALDIWRGDVLA KIVPMEQSYPMVLLGNKIDLADRKVPQEVAQG  
WCREKDIPYFEVSAKNDINVVQAFEMLASRALSRYQSILENHLTESIKLSPDQSRSRCC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 22.3 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:** NULL or Add: Recombinant proteins 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\\_001157994](#)

**Locus ID:** 338382

**UniProt ID:** [Q96AH8](#)



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RefSeq Size: 2958

Cytogenetics: 1q32.1

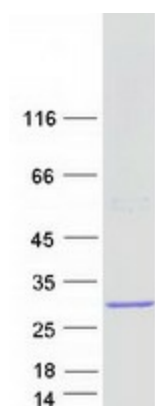
RefSeq ORF: 597

Synonyms: RAB7

**Summary:** Controls vesicular trafficking from endosomes to the trans-Golgi network (TGN). Acts as a negative regulator of TLR9 signaling and can suppress TLR9-triggered TNFA, IL6, and IFNB production in macrophages by promoting TLR9 lysosomal degradation. Also negatively regulates TLR4 signaling in macrophages by promoting lysosomal degradation of TLR4. Promotes megakaryocytic differentiation by increasing NF-kappa-B-dependent IL6 production and subsequently enhancing the association of STAT3 with GATA1. Not involved in the regulation of the EGF- and EGFR degradation pathway.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified RAB7B protein (Cat# TP328755). The protein was produced from HEK293T cells transfected with RAB7B cDNA clone (Cat# [RC228755]) using MegaTran 2.0 (Cat# [TT210002]).