

## Product datasheet for **TP302283L**

### **RAB7B (NM\_177403) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RAB7B, member RAS oncogene family (RAB7B), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202283 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MNPRKKVDLKLIIVGAIQVVGKTSLLHQYVHKTFYEEYQTTLGASILSKIILGDTTLKLQIWDGQERF RSMVSTFYKGS DGCILAFDVTDLSEFALDIWRGDVLAKIVPMEQSYPMVLLGNKIDLRKVPQEVAAQG WCREKDIPYFEVSAKNDINVVQAFEMLASRALSRYQSILENHLTESIKLSPDQSRSRCC  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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:	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:	<u><a href="#">NP_796377</a></u>
Locus ID:	338382
UniProt ID:	<u><a href="#">Q96AH8</a></u>
RefSeq Size:	3032



[View online »](#)

**Cytogenetics:** 1q32.1

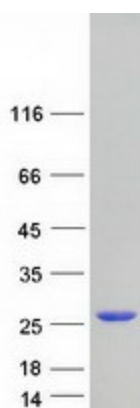
**RefSeq ORF:** 597

**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# [TP302283]). The protein was produced from HEK293T cells transfected with RAB7B cDNA clone (Cat# [RC202283]) using MegaTran 2.0 (Cat# [TT210002]).