

Recombinant Mouse Rab7b Protein, Myc/DDK-tagged

Cat. No. Rab7b-5331M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RAB7B, member RAS oncogene family (Rab7b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	22.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Rab7b RAB7B, member RAS oncogene family [Mus musculus (house mouse)]
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Official Symbol	Rab7b
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Synonyms	Rab7b; RAB7B, member RAS oncogene family; Rab; 5430435G22Rik; ras-related protein Rab-7b; EC 3.6.5.1; EC 3.6.5.2; EC 3.6.5.3; EC 3.6.5.4
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Gene ID	226421
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mRNA Refseq	NM_145509
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Protein Refseq	NP_663484
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UniProt ID	Q8VEA8
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