

## Recombinant Mouse Rab12 Protein, Myc/DDK-tagged

Cat. No. Rab12-5289M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length RAB12, member RAS oncogene family (Rab12), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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. That Rab may play a role in protein transport from recycling endosomes to lysosomes regulating, for instance, the degradation of the transferrin receptor. Involved in autophagy.
<b>Molecular Mass</b>	27.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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.

## GENE INFORMATION

**Gene Name** Rab12 RAB12, member RAS oncogene family [ *Mus musculus* (house mouse) ]

**Official Symbol** Rab12

**Synonyms** Rab12; RAB12, member RAS oncogene family; C77700; AW555448; 2900054P15Rik; ras-related protein Rab-12; rab-13

**Gene ID** 19328

**mRNA Refseq** NM\_024448

**Protein Refseq** NP\_077768

**UniProt ID** P35283

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