

Recombinant Mouse Rab38 Protein, Myc/DDK-tagged

Cat. No. Rab38-5314M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RAB38, member RAS oncogene family (Rab38), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in the maturation of phagosomes that engulf pathogens, such as S.aureus and Mycobacterium. 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. Plays an important role in the control of melanin production and melanosome biogenesis. In concert with RAB32, regulates the proper trafficking of melanogenic enzymes TYR, TYRP1 and DCT/TYRP2 to melanosomes in melanocytes.
Molecular Mass	23.8 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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	Rab38 RAB38, member RAS oncogene family [Mus musculus (house mouse)]
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Official Symbol	Rab38
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Synonyms	RAB38; RAB38, member of RAS oncogene family; ras-related protein Rab-38; chocolate; cht; AU043391; 2310011F14Rik; MGC107581
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Gene ID	72433
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mRNA Refseq	NM_028238
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Protein Refseq	NP_082514
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UniProt ID	Q8QZZ8
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