

Recombinant Rat Rab Geranylgeranyltransferase, Beta Subunit

Cat. No. Rabggtb-5471R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Rabggtb catalyzes the transfer of geranylgeranyl moiety onto two C-terminal cysteines of Rab proteins.
Species	Rat
Source	E.coli
Description	Rab geranylgeranyltransferase also known as geranylgeranyltransferase II is one of the three prenyltransferases. It transfers (usually) two geranylgeranyl groups to the cysteines at the C-terminus of Rab proteins.
Form	Liquid in 25 mM HEPES, pH 7.2 + 25 mM NaCl + 5 mM DTT.
Purity	> 95% as determined by SDS-PAGE analysis.
Molecular Weight	50 kDa alpha chain; 38 kDa beta chain
Storage	Stable for 1 year at -80°C. Avoid repeated freeze-thaw cycles.
Official Symbol	Rabggtb

GENE INFORMATION

Gene Name	Rabggtb Rabgeranylgeranyltransferase, beta subunit [Rattus norvegicus]
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Synonyms	Rabggtb; Rab geranylgeranyltransferase, beta subunit; geranylgeranyltransferase type-2 subunit beta; GGTase-II-beta; rab GGTase beta; rab GGtransferase beta; rab geranylgeranyltransferase subunit beta; rabgeranyl-geranyltransferase subunit beta; geranylgeranyl transferase type II subunit beta; Rab geranylgeranyl transferase componenet, subunit beta; typeII protein geranyl-geranyltransferase subunit beta; EC 2.5.1.60; Geranylgeranyl transferase type-2 subunitbeta; Geranylgeranyltransferase type II subunit beta; Rab geranyl-geranyltransferase subunit beta; Rab geranylgeranyltransferase subunit beta; Type II proteingeranyl-geranyltransferase subunit beta
Gene ID	25533
mRNA Refseq	NM_138708
Protein Refseq	NP_619715
UniProt ID	Q08603
Chromosome Location	2q45
Function	Rabgeranylgeranyltransferase activity; metal ion binding; prenyltransferaseactivity; transferase activity
Crystallographic structure of rat RabGGTase (rainbow colored, N-terminus = blue, C-terminus = red).	