

Pggt1a, Pggt1b

Recombinant Rat GGTase-I, alpha and beta subunit, Active

Catalog No.	CSI11657	Quantity:	50 µg
Description:	GGTase-I (Geranylgeranyltransferase-I) catalyzes the transfer of the farnesyl and geranylgeranyl groups from farnesyl and geranylgeranyl-diphosphate to proteins containing a C-terminal CaaX motif, where 'C' is a conserved cysteine that is the site of farnesyl modification, 'a' is usually an aliphatic amino acid, and 'X' is leucine or phenylalanine. Farnesyltransferase (FT) and GGTase-I are closely related, sharing a common alpha subunit and 30% identity in their beta subunits.		
UniProt ID:	P53610		
Gene ID:	81746		
Molecular Weight:	alpha subunit: 44 kDa beta subunit: 38 kDa		
Formulation:	50 mM HEPES, 40 mM NaCl, 1 mM TECP, 5 µM ZnCl ₂ , pH 7.4		
Purity:	> 90% by SDS-PAGE		
Activity:	1 pmol of GGTase-I will transfer 5 pmol of Farnesyl to RhoA in 15 min at 37°C.		
Storage & Stability:	Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. Avoid freeze / thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

