

## Pggt1a/Pggt1b

### Recombinant Rat GGTase-I, alpha and beta subunit, GST-tag

<b>Catalog No.</b>	CSI11668	<b>Quantity:</b>	50 µg
<b>Description:</b>	<p>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.</p> <p>Farnesyltransferase (FT) and GGTase-I are closely related, sharing a common alpha subunit and 30% identity in their beta subunits.</p> <p>The GST-Tag facilitates the protein's application in typical GST pull-down assays.</p>		
<b>UniProt ID:</b>	P53610		
<b>Gene ID:</b>	81746		
<b>Molecular Weight:</b>	alpha subunit: 44 kDa beta subunit: 38 kDa		
<b>Formulation:</b>	25 mM HEPES, 25 mM NaCl, 5 mM DTT, pH 7.2		
<b>Purity:</b>	> 90% by SDS-PAGE		
<b>Activity:</b>	1 pmol of GGTase-I will transfer 5 pmol of Farnesyl to RhoA in 15 min at 37°C.		
<b>Storage &amp; Stability:</b>	Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. <b>Avoid freeze / thaw cycles.</b>		

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