

Recombinant Human PGGT1B Protein, His-tagged

Cat. No. PGGT1B-2584H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGGT1B Protein (Met1-Thr377) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Thr377
Description	Protein geranylgeranyltransferase type I (GGTase-I) transfers a geranylgeranyl group to the cysteine residue of candidate proteins containing a C-terminal CAAX motif in which 'A' is an aliphatic amino acid and 'X' is leucine (summarized by Zhang et al., 1994 [PubMed 8106351]). The enzyme is composed of a 48-kD alpha subunit (FNTA; MIM 134635) and a 43-kD beta subunit, encoded by the PGGT1B gene. The FNTA gene encodes the alpha subunit for both GGTase-I and the related enzyme farnesyltransferase.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.1 kDa Accurate Molecular Mass: 44 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PGGT1B protein geranylgeranyltransferase type I, beta subunit [Homo sapiens (human)]
Official Symbol	PGGT1B
Synonyms	PGGT1B; protein geranylgeranyltransferase type I, beta subunit; geranylgeranyl transferase type-1 subunit beta; BGGI; GGTI; GGTase-I-beta; geranylgeranyltransferase type I beta subunit; geranylgeranyl transferase type I subunit beta; type I protein geranyl-geranyltransferase subunit beta;
Gene ID	5229
mRNA Refseq	NM_005023
Protein Refseq	NP_005014

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MIM	602031
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UniProt ID	P53609
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