

Recombinant Human GLT25D1, GST-tagged

Cat. No. GLT25D1-13317H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GLT25D1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-231a.a.
Description	This gene is a member of the prenyltransferase family and encodes a protein with geranylgeranyl diphosphate (GGPP) synthase activity. The enzyme catalyzes the synthesis of GGPP from farnesyl diphosphate and isopentenyl diphosphate. GGPP is an important molecule responsible for the C20-prenylation of proteins and for the regulation of a nuclear hormone receptor. Alternate transcriptional splice variants, both protein-coding and non-protein-coding, have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	COLGALT1 collagen beta(1-O)galactosyltransferase 1 [Homo sapiens (human)]
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Official Symbol	COLGALT1
Synonyms	GLT25D1I; procollagen galactosyltransferase 1; hydroxylysine galactosyltransferase 1; glycosyltransferase 25 family member 1; glycosyltransferase 25 domain containing 1
Gene ID	79709
mRNA Refseq	NM_024656.2
Protein Refseq	NP_078932.2
UniProt ID	Q8NBJ5
Chromosome Location	19p13.11
Pathway	Collagen biosynthesis and modifying enzymes; Collagen formation; Extracellular matrix organization; Lysine degradation; Other types of O-glycan biosynthesis

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