Recombinant Human COLGALT1 Protein, GST-tagged

Cat. No. COLGALT1-4983H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GLT25D1 full-length ORF (BAC11684.1, 1 a.a. - 622 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is one of two enzymes that transfers galactose moieties to hydroxylysine residues of collagen and mannose binding lectin. This gene is constitutively expressed and encodes a soluble protein that localizes to the endoplasmic reticulum. [provided by RefSeq, Dec 2015]
Molecular Mass	98 kDa
AA Sequence	MAAAPRAGRRRGQPLLALLLLLLAPLPPGAPPGADAYFPEERWSPESPLQAPRVLIA LLARNAAHALPTTLGALERLRHPRERTALWVATDHNMDNTSTVLREWLVAVKSLYH SVEWRPAEEPRSYPDEEGPKHWSDSRYEHVMKLRQAALKSARDMWADYILFVDAD NLILNPDTLSLLIAENKTVVAPMLDSRAAYSNFWCGMTSQGYYKRTPAYIPIRKRDRR GCFAVPMVHSTFLIDLRKAASRNLAFYPPHPDYTWSFDDIIVFAFSCKQAEVQMYVC NKEEYGFLPVPLRAHSTLQDEAESFMHVQLEVMVKHPPAEPSRFISAPTKTPDKMG FDEVFMINLRRRQDRRERMLRALQAQEIECRLVEAVDGKAMNTSQVEALGIQMLPG YRDPYHGRPLTKGELGCFLSHYNIWKEVVDRGLQKSLVFEDDLRFEIFFKRRLMNLM RDVEREGLDWDLIYVGRKRMQVEHPEKAVPRVRNLVEADYSYWTLAYVISLQGARK LLAAEPLSKMLPVDEFLPVMFDKHPVSEYKAHFSLRNLHAFSVEPLLIYPTHYTGDD

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	GYVSDTETSVVWNNEHVKTDWDRAKSQKMREQQALSREAKNSDVLQSPLDSAARDEL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	COLGALT1 collagen beta(1-O)galactosyltransferase 1 [Homo sapiens (human)]
Official Symbol	COLGALT1
Synonyms	COLGALT1; collagen beta(1-O)galactosyltransferase 1; GLT25D1; procollagen galactosyltransferase 1; glycosyltransferase 25 domain containing 1; glycosyltransferase 25 family member 1; hydroxylysine galactosyltransferase 1; NP_078932.2; EC 2.4.1.5
Gene ID	79709
mRNA Refseq	NM_024656
Protein Refseq	NP_078932

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MIM	617531
UniProt ID	Q8NBJ5

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