

Recombinant Full Length Human COLGALT1 Protein, GST-tagged

Cat. No. COLGALT1-5352HF **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	In Vitro Cell Free System
ProteinLength	622 amino acids
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	MAAAPRAGRRRRGQPLLALLLLLLLAPLPPGAPPGADAYFPEERWSPESPLQAPRVLIA LLARNAAHALPTTLGALERLRHPRERTALWVATDHNMDNTSTVLREWLVAVKSLYH SVEWRPAEEPRSYPDDEEGPKHWSDSRYEHVMLRQAALKSARDMWADYILFVDAD NLILNPDTLSLLIAENKTVVAPMLDSRAAYSNFWCGMTSQGYKRTPAYIPIRKRRDRR GCFVPMVHSTFLIDLKKAASRNLAFYPPHPDYTWFSFDDIIVFAFSCKQAEVQMYVC NKEEYGFLPVPLRAHSTLQDEAESFMHVQLEVMVKHPPAEPSPRFISAPTKTPDKMG FDEVFMINLRRRQDRRERMLRALQAQIECRLVEAVDGKAMNTSQVEALGIQMLPG YRDPYHGRPLTKGELGCFLSHYNIWKEVVDRGLQKSLVFEDDLRFEIFFKRRLMNLML

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RDVEREGLDWDLIYVGRKRMQVEHPEKAVPRVRNLVEADYSYWTLAYVISLQGARK
LLAAEPLSKMLPVDEFLPVMFDKHPVSEYKAHFSLRNLHAFSVEPLLIYPHTYTGDD
GYVSDTETSVVWNNEHVKTDWDRAKSQKMREQQALSREAKNSDVLQSPILDSAAR
DEL

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

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Protein Refseq	NP_078932
MIM	617531
UniProt ID	Q8NBJ5

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