

Recombinant Human COLGALT2, His-tagged

Cat. No. COLGALT2-93H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Glycosyltransferase 25 Family Member 2/GLT25D2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Leu626) of Human GLT25D2 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-626 a.a.
Description	Glycosyltransferase 25 Family Member 2 (GLT25D2) belongs to the Glycosyltransferase 25 family. GLT25D2 is expressed in brain and skeletal muscle, and it localizes to the Endoplasmic Reticulum lumen. GLT25D2 has a strong β -Galactosyltransferase activity toward various types of Collagen, but it does not have Glucosyltransferase activity. It transfers β -Galactose to Hydroxylysine residues on collagen.
AA Sequence	RFVAERDSEDDGEEPVVPESPLQSPTVLVAVL ARNAAHTLPHFLGCLERLDYPKS RMAIWAAT DHNV DNTTEIFREWLKNVQRLYHYVEWRP MDEPESYPDEIGPKHWPT SRFAHVMKLRQAALRTA REKWSDYILFIDVDNFLTNPQTLNL LIAENKTIVAPMLESR GLYSNFWCGITPKGFIKRTPDYV QIREWKRTGCFVPMVHSTFL IDLRKEASDKLT FYPPHQDYTWTFDDIIVFAFSSRQAGIQMYL CNREHYGYLPIPLKPHQ TLQEDIENLI HVQIEAMIDRPPMEPSQYVSVVPKYPDKMGFDEIFMI NLKRRKDRRDRML RTLYEQ

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EIEVKIVEAVDGGKALNTSQLKALNIEMPLPGYRDPYSSRPLTRGEI GCFLSHYSV WKE
VIDRELEKTLVIEDDVRFEHQFKKKLMKMDNIDQAQLDWELIYIGRKRMQV KEPEK
AVPNVANLVEADYSYWTLG YVISLEGAQKLVGANPFGKMLPVDEFPLPVMYNKHPVA
E YKE YYESRDLKAFSAEPLLIYPHTYTGQPGYLSDTETSTIWDNETVATDWDRTA
WKSRLKQSR IYSNAKNTEALPPPTSLDTVPSRDEL

Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by reducing SDS-PAGE.