

Proteoliposomes

Full-Length

XYLT1 (Human) Recombinant Protein

Catalog # H00064131-G01

Size 10 ug

Specification

Product Description

Human XYLT1 full-length ORF (AAI56040.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MVAAPCARRLARRSHSALLAALTVLLQLTVVWNFSSLDGAGERRGGAAVGGGEQPPAPAP
RRERRDLPAEPAAARGGGGGGGGGGGGRGPQARARGGGPGEPGQQPASRGALPARALDPH
PSPLITLETQDGYFSHRPKEKVRTDSNNENSVPKDFENVDNSNFAPRTQKQKHQPELAKKPPSR
QKELLKRKLEQQEKKGHTFPGKGPGEVLPPGDRAAANSSHGKDVSRRPHARKTGGSSPETKY
DQPPKCDISGKEAISALSRAKSKHCRQEIGETCYRHKLGLLMPEKVTRFCPLEGKANKNVQWDE
DSVEYMPANPVRIAFVLVHGRASRQLQRMFKAIYHKDHFYIHVDKRSNYLHRQVLQVSRQYSNV
RVTPWRMATWGGASLLSTYLQSMRDLEMTDWPWDFFINLSAADYPIRTNDQLVAFLSRYRDMN
FLKSHGRDNARFIRKQGLDRLFLECDAHMWRLGDRRIPEGIAVDGGSDWFLNRRFVEYVTFSTD
DLVTMKMKQFYSYTLLPAESFFHTVLENSPHCDTMVDNNLRITNWNRLKGCKCQYKHVDWCGCS
PNDFKPQDFHRFQQTARPTFFARKFEAVVNQEIIQQLDYLYGNYPAGTPGLRSYWENVYDEPDGI
HSLSDVTLTLYHSFARLGLRRAETSLHTDGENSCRYPMGHPASVHLYFLADRFQGFLIKHHATNL
AVSKLETLETWVMPKKVFKIASPPSDFGRLQFSEVGTDWDAKERLFRNFGLLGPMDEPVGMQ
KWGKGPNVTVTVWVDPVNIAATYDILIESTAEFTHYKPLNLPLRPGVWTVKILHHWVPVAETKF
LVAPLTFNSNRQPIKPEEALKLHNGPLRNAYMEQSFQSLNPVLSLPINPAQVEQARRNAASTGTALE
GWLDLVLVGGMWMTAMDICATGPTACPVMTCSQTAWSSFSPPDKSELGAVKPDGRLR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

105.5

Interspecies Antigen Sequence

Mouse (91)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — XYLT1

Entrez GeneID [64131](#)

GeneBank Accession# [BC156039.1](#)

Protein Accession# [AAI56040.1](#)

Gene Name XYLT1

Gene Alias XT-I, XT1

Gene Description xylosyltransferase I

Omim ID [264800 608124](#)

Gene Ontology [Hyperlink](#)

Gene Summary Xylosyltransferase (XT; EC 2.4.2.26) catalyzes the transfer of UDP-xylose to serine residues within XT recognition sequences of target proteins. Addition of this xylose to the core protein is required for the biosynthesis of the glycosaminoglycan chains characteristic of proteoglycans.[supplied by OMIM]

Other Designations UDP-D-xylose:proteoglycan core protein beta-D-xylosyltransferase 1|xylosyltransferase 1

Pathway

- [Chondroitin sulfate biosynthesis](#)
- [Heparan sulfate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Aortic Aneurysm](#)

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Tobacco Use Disorder](#)