

## 32-6950: XYLT2 Human

**Alternative Name :** Xylosyltransferase 2, Peptide O-xylosyltransferase 1, Xylosyltransferase II, XT-II, XylIT-II, XYLT2, XT2.

### Description

Source: HEK293 Cells.

Filtered White lyophilized (freeze-dried) powder.

XYLT2 or Xylosyltransferase 2 is an enzyme which is expressed in ubiquitous and is part of the glycosyltransferases family. XYLT2 promotes proteoglycans formation by attaching GAG chains to the substrate protein via transfer of xylose molecule from the donor (nucleoside diphosphate) to the protein's serine residues. XYLT2 is present in the ER and the cis part of the Golgi, furthermore the protein is released to the extracellular matrix.

XYLT2 Human Recombinant is a single, glycosylated polypeptide chain containing 839 amino acids (Gly37-Arg865, luminal domain, isoform 1, natural variant with Thr305) and having a molecular mass of 94.0kDa. XYLT2 is fused to an N-terminal linker (2 extra a.a), C-terminal linker (2 extra a.a) and C-terminal His-tag (6 extra a.a).

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** XYLT2 filtered (0.4 µm) and lyophilized in 0.05 M PBS and 0.075 M NaCl, pH 7.4. It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. XYLT2 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**Storage condition :** Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

**Amino Acid :** ASGLEEDEAG EKGRQRKPRP LDPGEGSKDT DSSAGRRGST GRRHGRWRGR AESPGVPAK  
VVRVTSRQR ASRRVPPAPP PEAPGRQNLG GAAAGEALVG AAGFPPHGDT GSVEGAPQPT DNGFTPKEI  
VGKDALSALA RASTKQCQEQ IANVVCLHQA GSLMPKAVPR HCQLTGKMSG GIQWDESSAQ  
QPMDGPPVRI AYMLVVHGRA IRQLKRLKA VYHEQHFFYI HVDKRSYDLH REVVELAQGY DNVRVTPWRM  
VTIWGGASLL TMYLRSMRDL LEVPGWAWDF FINLSATDYP TRTNEELVAF LSKNRDKNFL KSHGRDNSRF  
IKKQGLDRLF HECDSHMWRL GERQIPAGIV VDGGSDFVFL TRSFVEYVYVY TDDPLVAQLR QFYTYLLPA  
ESFFHTVLEN SLACETLVDN NLRVTNWNRK LGCKCQYKHI VDWCGCSPND FKPQDFLRLQ QVSRPTFFAR  
KFESTVNQEV LEILDFHLYG SYPPGTPALK AYWENTYDAA DGPSGLSDVM LTAYTAFARL SLHHAATAAP  
PMGTPLCRFE PRGLPSSVHL YFYDDHFQGY LVTQAVQPSA QGPAETLEMW LMPQGSLLKLL  
GRSDQASRLQ SLEVGTDWDP KERLFRNFGG LLGPLDEPVA VQRWARGPNL TATVWIDPT YVVATSYDIT  
VDTETEVTQY KPPLSRPLRP GPWTVRLLQF WEPLGETRFL VLPLTFNRKL PLRKDDASWL HAGPPHNEYM  
EQSFQGLSSI LNLQPPELAE EAAQRHTQLT GPALAWTDR ELSSFWVAVG LCAIGPSPCP SLEPCRLTSW  
SSLSPDPKSE LGPVKADGRL RKLHHHHHHH.