

## 32-2175: B3GAT3 Recombinant Protein

**Alternative Name :** Beta-1,3-glucuronyltransferase 3, GLCAT1, Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3, Glucuronosyltransferase I, GlcAT-I, GlcUAT-I, B3GAT3, UDP-GlcUA:Gal beta-1,3-Gal-R glucuronyltransferase.

### Description

Source : Escherichia Coli. B3GAT3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 330 amino acids (29-335 a.a) and having a molecular mass of 36.4kDa. B3GAT3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Beta-1,3-glucuronyltransferase 3 (B3GAT3) is involved in forming the linkage tetrasaccharide present in heparan sulfate and chondroitin sulfate. B3GAT3 has a part in the biosynthesis of I2/HNK-1 carbohydrate epitope on glycoproteins. B3GAT3 shows strict specificity for Gal-beta-1,3-Gal-beta-1,4-Xyl, exhibiting negligible incorporation into other galactoside substrates including Galbeta1-3Gal beta1-O-benzyl, Galbeta1-4GlcNAc and Galbeta1-4Glc.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** B3GAT3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSQPCDCLP PLRAAAEQLR QKDLRISQLQ AELRRPPPAP AQPPEPEALP TIYVVTPTYA RLVQKAEIVR LSQTLVPR LHWLLVEDAE GPTPLVSGLL AASGLLFTHL VVLTTPKAQRL REGEPGWVHP RGVEQRNKAL DWLRGRGGAV GGEKDPVPPG TQGVVYFADD DNTYSRELFE EMRWTRGVSV WPVGLVGGRL FEGPQVQDGR VVGFTAWEP SRPFPVDMAG FAVALPLLLD KPNAQFDSTA PRGHLESSLL SHLVDPKDL PRAANTRVL VWHTRTEPK MKQEEQLQRQ GRGSDPAIEV.