

Core 1 Beta3-Gal-T1 Human Recombinant

Item Number	rAP-2022
Synonyms	Core 1 Synthase, Glycoprotein-N-Acetylgalactosamine 3-Beta-Galactosyltransferase 1, Core 1 Beta3-Gal-T1, Core 1 O-Glycan T-Synthase, Core 1 UDP-Galactose:N-Acetylgalactosamine-Alpha-R Beta 1,3 Galactosyltransferase
Description	C1GALT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 357 amino acids (30-363 a.a) and having a molecular mass of 41.4kDa.C1GALT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9NS00
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSLLGEKVD TQPNVLHNDP HARHSDDNGQ NHLEGQMNFN ADSS-QHKDEN TDIAENLYQK VRILCWVMTG PQNLEKKAKH VKATWAQRCN KVLFMSEEN KDFPAVGLKT KEGRDQLYWK TIKAFQYVHE HyledADWFL KADDDTYVIL DNLRWLLSKY DPEEPIYFGR RfKPYVKQGY MSGGAGYVLS KEALKRFVDA FKTDKCTHSS SIEDLALGRC MEIMNVEAGD SRD-TIGKETF HPFVPEHHLI KGyLPRTFWY WNYNYPPVE GPGCCSDLAV SFHYVDSTTM YELEYLVYHL RPYGYLYRYQ PTLPERILKE ISQANKNEDT KVKLGNP.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	C1GALT1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. Greater than 80.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**