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32-2196: C1GALT1 Recombinant Protein

Alternative Name :	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 1,B3Gal-T8,EC 2.4.1.122

Description

Source : Escherichia Coli. 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. Core 1 Beta3-Gal-T1 also known as, C1GALT1 creates the common core 1 O-glycan structure, Gal-beta-1-3GalNAc-R, by the transfer of Gal from UDP-Gal to GalNAc-alpha-1-R. Core 1 is a precursor for lots of extended mucin-type O-glycans on cell surface and secreted glycoproteins. Studies in mice have shown that this gene takes a main role in angiogenesis, thrombopoiesis and kidney homeostasis.

Product Info

Amount :	10 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	C1GALT1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% 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 SSGLVPRGSH MGSLLGEKVD TQPNVLHNDP HARHSDDNGQ NHLEGQMNFN ADSSQHKDEN TDIAENLYQK VRILCWVMTG PQNLEKKAKH VKATWAQRCN KVLFMSSEEN KDFPAVGLKT KEGRDQLYWK TIKAFQYVHE HYLEDADWFL KADDDTYVIL DNLRWLLSKY DPEEPIYFGR RFKPYVKQGY MSGGAGYVLS KEALKRFVDA FKTDKCTHSS SIEDLALGRC MEIMNVEAGD SRDTIGKETF HPFVPEHHLI KGYLPRTFWY WNYNYYPPVE GPGCCSDLAV SFHYVDSTTM YELEYLVYHL RPYGYLYRYQ PTLPERILKE ISQANKNEDT KVKLGNP.

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