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C1GALT1, 30-363aa, Human, His tag, E.coli

产品货号: TP01383

第三版

别名: Core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1, C1GALT, T-synthase

描述: C1GALT1 generates 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 many extended mucin-type O-glycans on cell surface and secreted glycoproteins. Studies in mice suggest that this gene plays a key role in thrombopoiesis and kidney homeostasis. Recombinant human C1GALT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

分子量: 41.4 kDa (357aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSLLEKVDTPQPNVLHNDPHARHSDDNGQNHLEGQMNFNADSSQHKDENTDIAE
NLYQKVRILCWVMTGPQNLEKKAKHVKATWAQRCNKVLFMSSEENKDFPAVGLKTKEGRDQLYWKTIKAFQYVHEHY
LEDADWFLKADDDTYVILDNLRWLLSKYDPEEPIYFGRRFKPYVKQGYMSGGAGYVLSKEALKRFVDAFKTDKCTHSSIE
DLALGRCMEIMNVEAGDSRDTIGKETFHFPVPEHHLIKGYLPRTFWYWNYYPPVEGPGCCSDLAVSFHVVDSTTMYE
LEYLVYHLRPYGYLYRYQPTLPERILKEISQANKNEDTKVKLGNP

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bardford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.