

AR51005PU-N

Human C1GALT1 (30-363, His-tag) - Purified

Alternate names:

3-galactosyltransferase, 3-galactosyltransferase 1, 3-galactosyltransferase 1, B3Gal-T8, Beta 1, Core 1 O-glycan T-synthase, Core 1 beta1, Core1 UDP-galactose:N-acetylgalactosamine-alpha-R beta 1, Glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1

Quantity:

0.25 mg

Concentration:

0.5 mg/ml (determined by Bardford assay)

Background:

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

Uniprot ID:

[Q9NS00](#)

NCBI:

[NP_064541](#)

GenelD:

[56913](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Description:

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSLLGEKVD TQPNVLHNDP HARHSDDNQ NHLEGQMNFN
ADSSQHKDEN TDIAENLYQK VRILCWMTG PQNLEKKAKH VKATWAQRCN KVLFMSSEEN
KDFPAVGLKT KEGRDQLYWK TIKAFQYVHE HYLEDADWFL KADDDTYVIL DNLRLWSKY
DPEEPIYFGR RFKPYVKQGY MSGGAGYVLS KEALKRFVDA FKTDKCTHSS SIEDLALGRC
MEIMNVEAGD SRDTIGKETF HPFVPEHHLI KGYPRTFWY WNYNYPPVE GPGCCSDLAV
SFHYVDSTTM YELEYLVYHL RPYGYLYRYQ PTLPERILKE ISQANKNEDT KVKLGNP

Molecular weight: 41.4 kDa (357aa), confirmed by MALDI-TOF

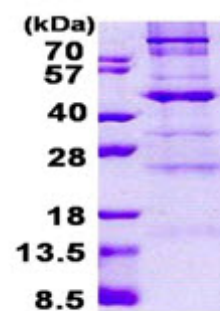
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Ju T., et al. (2002) J. Biol. Chem. 277:178-186
Zhu L., et al. (2009) Kidney Int. 76:190-198

Pictures:



15% SDS-PAGE (3ug)