

Recombinant Human core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1, His-tagged

Cat. No. NAA30-227H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NAA30, 30-363aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	30-363 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	41.4 kDa (357aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSLGEEKVD TQPNVLHNDP HARHSDDNGQ NHLEGQMNFN ADSSQHKDEN TDIAENLYQK VRILCWVMTG PQNLEKKAKH

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VKATWAQRCN KVLFMSSEEN KDFPAVGLKT KEGRDQLYWK TIKAFQYVHE
 HYLEDADWFL KADDDTYVIL DNLRWLLSKY DPEEPIYFGR RFKPYVKQGY
 MSGGAGYVLS KEALKRFVDA FKTDKCTHSS SIEDLALGRC MEIMNVEAGD
 SRDTIGKETF HPFVPEHHLI KGYLPRTFWY WNYNYPPVE GPGCCSDLAV
 SFHYVDSTTM YELEYLVYHL RPYGYLYRYQ PTLPERILKE ISQANKNEDT
 KVKLGNP

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bardford assay)

GENE INFORMATION

Gene Name [NAA30 N\(alpha\)-acetyltransferase 30, NatC catalytic subunit \[Homo sapiens \]](#)

Official Symbol NAA30

Synonyms NAA30; N(alpha)-acetyltransferase 30, NatC catalytic subunit; C14orf35, chromosome 14 open reading frame 35 , N acetyltransferase 12 , N acetyltransferase 12 (GCN5 related, putative) , NAT12; N-alpha-acetyltransferase 30; FLJ35355; MAK3; Mak3p; natC catalytic subunit; putative N-acetyltransferase; N-acetyltransferase MAK3 homolog; N-acetyltransferase 12 (GCN5-related, putative); N-alpha-acetyltransferase 30, NatC catalytic subunit; NAT12; C14orf35; MGC141884; MGC141885;

Gene ID [122830](#)

mRNA Refseq [NM_001011713](#)

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Protein Refseq	NP_001011713
UniProt ID	Q147X3
Chromosome Location	14q22.2
Function	N-acetyltransferase activity; peptide alpha-N-acetyltransferase activity; transferase activity, transferring acyl groups;

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