

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VKATWAQRCN KVLFSMSSEEN 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA