

C1GALT1 recombinant protein

C1GALT1, 30-363aa, Human, His tag, E Coli

CATALOG # AAA48838	HOST E Coli	APPLICATIONS SDS-Page
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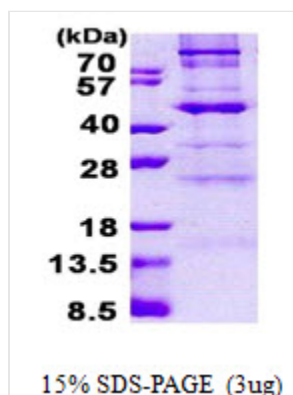
PRODUCT SYNONYMS

C1GALT1; 30-363aa; Human; His tag; E Coli; Core 1 synthase glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1; Core 1 synthase; glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1; C1GALT; T-synthase; C1GALT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 80% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Concentration	0.5 mg/ml (determined by Bardford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSLLGEKVD TQPNVLHNDP HARHSDDNGQ NHLEGQMNFN ADSSQHKDEN TDIAENLYQK VRILCWMTG PQNLEKKAKH VKATWAQRCN KVLFSSEEN KDFPAVGLKT KEGRDQLYWK TIKAFQYVHE HYLEADWFL KADDDTYVIL DNLRWLLSKY DPEEPIYFGR RFKPYVKQGY MSGGAGYVLS KEALKRFVDA FKTDKCTHSS SIEDLALGRC MEIMNVEAGD SRDTIGKETF HPFVPEHHLI KGYLPRTFWY WNYNYPPVE GPGCCSDLAV SFHYVDSTTM YELEYLVYHL RPYGYLYRYQ PTLPERILKE ISQANKNEDT KVKLGNP
Sequence Length	363
Applicable Applications for C1GALT1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for C1GALT1 recombinant protein	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.
Product Categories/Family for C1GALT1 recombinant protein	Enzymes & Proteases
References	Ju T., et al. (2002) J. Biol. Chem. 277:178-186; Zhu L., et al. (2009) Kidney Int. 76:190-198

NCBI AND UNIPROT INFORMATION

NCBI GI #	9910144
NCBI GeneID	56913
NCBI Accession #	NP_064541
NCBI GenBank Nucleotide #	NM_020156.4
UniProt Accession #	Q9NS00; Q96QH4; Q9BTU1
Molecular Weight	41.4 kDa (357aa), confirmed by MALDI-TOF
NCBI Official Full Name	glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1
NCBI Official Synonym Full Names	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1
NCBI Official Symbol	C1GALT1
NCBI Official Synonym Symbols	C1GALT; T-synthase
NCBI Protein Information	glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1
UniProt Protein Name	Glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1
UniProt Gene Name	C1GALT1
UniProt Synonym Gene Names	Beta-1,3-galactosyltransferase; C1GalT1; Core 1 beta3-Gal-T1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.