

Product datasheet for **AR51005PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	C1GALT1 (30-363, His-tag) human protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLLGEKVD TQPNVLHNDP HARHSDDNGQ NHLEGQMNFN ADSSQHKDEN TDIAENLYQK VRILCWVMTG PQNLEKKAKH VKATWAQRCN KVLFMSSSEEN KDFPAVGLKT KEGRDQLYWK TIKAFQYVHE HYLEADWFL KADDDTYVIL DNLRWLLSKY DPEEPIYFGR RFKPYVKQGY MSGGAGYVLS KEALKRFVDA FKTDKCTHSS SIEDLALGRC MEIMNVEAGD SRDTIGKETF HPFVPEHHLI KGYPRTFWY WNYNYPPVE GPGCCSDLAV SFHYVDSTTM YELEYLVYHL RPYGYLYRYQ PTLPERILKE ISQANKNEDT KVKLGNP
Tag:	His-tag
Predicted MW:	41.4 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_064541
Locus ID:	56913
UniProt ID:	Q9NS00 , A0A024RA32
Cytogenetics:	7p22.1-p21.3
Synonyms:	C1GALT; T-synthase



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Summary:

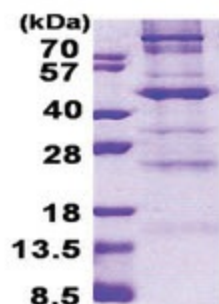
The protein encoded by this gene generates the common core 1 O-glycan structure, Gal-beta-1-3GalNAc-R, by the transfer of Gal from UDP-Gal to GalNAc-alpha-1-R. Core 1 is a precursor for many extended mucin-type O-glycans on cell surface and secreted glycoproteins. Studies in mice suggest that this gene plays a key role in thrombopoiesis and kidney homeostasis. [provided by RefSeq, Sep 2010]

Protein Families:

Transmembrane

Protein Pathways:

Metabolic pathways, O-Glycan biosynthesis

Product images:

15% SDS-PAGE (3ug)