

GALNTL1 Protein, Human (HEK293, His)

Cat. No.:	HY-P70877
Synonyms:	Putative Polypeptide N-Acetylgalactosaminyltransferase-Like Protein 1; Polypeptide GalNAc Transferase-Like Protein 1; GalNAc-T-Like Protein 1; pp-GaNTase-Like Protein 1; Protein-UDP Acetylgalactosaminyltransferase-Like Protein 1; UDP-GalNAc:Polypeptide N-Acety
Species:	Human
Source:	HEK293
Accession:	Q8N428 (D27-T558)
Gene ID:	57452
Molecular Weight:	62-65 kDa

PROPERTIES

AA Sequence

DNRAHAASSG	GRGAQRAGR	SEQLREDRTI	PLIVTGTPSK
GFDEKAYLSA	KQLKAGEDPY	RQHAFNQLS	DKLSPDRPIR
DTRHYS CP SV	SYSSDLPATS	VIIITFHNEAR	STLLRTVKSV
LNRTPANLIQ	EIIILVDDFSS	DPEDCLLLTR	IPKVKCLRND
RREGLIRSRV	RGADVAAATV	LTFLDSHCEV	NTEWLPPMLQ
RVKEDHTRVV	SPIIDVISLD	NFAYLAASAD	LRGGFDWSLH
FKWEQIPLEQ	KMTRTDPTRP	IRTPVIAGGI	FVIDKSWFNH
LKGYDAQMDI	WGGENFELS F	RVWMC GGSLE	IVPCSRVGHV
FRKRHPYNFP	EGNALT YIRN	TKRTAEVWMD	EYKQYYYEAR
PSAIGKAFGS	VATRIEQRKK	MNCKSFRWYL	ENVYPELTPP
VKEALPGI IK	QGVNCL ESQG	QNTAGDFLLG	MGICRGS AKN
PQPAQAWLFS	DHLIQQQGKC	LAATSTLMSS	PGSPVILQMC
NPREGKQKWR	RKGSFIQHSV	SGLCLETKPA	QLVTSKQCAD
AQAQQWQLLP	HT		

Appearance Solution.

Formulation Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 7.5.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution N/A

Storage & Stability Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping Shipping with dry ice.

DESCRIPTION

Background

GALNTL1, a member of the GALNT (N-acetylgalactosaminyltransferase) family, is an enzyme that plays a crucial role in the initiation of O-linked oligosaccharide biosynthesis. Specifically, GALNTL1 catalyzes the transfer of an N-acetyl-D-galactosamine (GalNAc) residue to a serine or threonine residue on the protein receptor. This process represents the first step in the glycosylation of proteins, where the addition of sugar moieties to specific amino acid residues contributes to the diversity and complexity of cellular glycoproteins. The activity of GALNTL1 is essential for the modification of proteins through O-linked glycosylation, impacting various cellular processes and functions.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA