

Human GALNT1 Recombinant Protein



RPPB1655

Product Information Protein Information

Product SKU:

RPPB1655

Accession:

Q10472

Host:

Sf9, Insect cells.

Protein description:

GALNT1 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 528 amino acids (41-559a.a.) and having a molecular mass of 60.4kDa. GALNT1 is expressed with an 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Polypeptide N-acetylgalactosaminyltransferase 1, GALNT1, GALNAC-T1

Formulation:

GALNT1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl and 10% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

ADPGLPAGDV LEPVQKPHEG PGEMGKPVVI PKEDQEKMKE MFKINQFNLM ASEMIALNRSLPDVRLGCK
TKVYPDNLPT TSVVIVFHNE AWSTLLRTVH SVINRSPRHM IEEIVLDDASERDFLKRPL ESYVKKLKVP
VHVIRMEQRS GLIRARLKGA AVSKGQVITF LDAHCECTVGWLEPLLARIK HDRRTVVCPI IDVISDDTFE
YMAGSDMTYG GFNWKLNFRW YVPQREMDRRKGDRTLPRV TPTMAGGLFS IDRDFQEIY TYDAGMDIYG
GENLEISFRI WQCGGTLEIVTCSHVGHVFR KATPYTFPGG TGQIINKNNR RLAEVWMDEF KNFFYIISPG
VTKVDYGDISSRVGLRHKLQ CKPFSWYLEN IYPDSQIPRH YFSLGEIRNV ETNQCLDNMA
RKENEKVGIFNCHGMGGNQV FSYTANKEIR TDDLCLDVSK LNGPVTMLKC HHLKGNQLWE
YDPVKLTLQHVNSNQCLDKA TEEDSQVPSI RDCNGSRSQQ WLLRNVTLPE IFHHHHHH.

Biological Activity:

The specific activity which is defined as the amount of enzyme that transfer 1.0 pmole of GalNAc from UDP-GalNAc to peptide EA2 per minute at pH 8.0 at 37C is > 300 pmol/min/ug.