

32-6750: GALNT1 Mouse

Alternative Name : Polypeptide N-acetylgalactosaminyltransferase 1, Polypeptide GalNAc transferase 1, GalNAc-T1, pp-GaNTase 1, Protein-UDP acetylgalactosaminyltransferase 1, polypeptide N-acetylgalactosaminyltransferase 1.Å

Description

Source: Sf9, Insect cells.

Sterile filtered colorless solution.

Polypeptide N-Acetylgalactosaminyltransferase 1 (Galnt1), is part of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. The initial reaction in O-linked oligosaccharide biosynthesis is catalyzed by Galnt1, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Moreover, Galnt1 is implicated in the glycosylation of proteins vital for bone formation for instance osteopontin and bone sialoprotein.

GALNT1 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 528 amino acids (41-559 a.a.) and having a molecular mass of 60.5kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). GALNT1 is expressed with an 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : GALNT1 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : 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 : ADPGLPAGDV LELVQKPHEG PGEMGKPVVI PKEDQEKMK E MFKINQFNLM ASEMIALNRS LPDVRLEGCK TKVYPDNLPT TSVVIVFHNE AWSTLLRTVH SVINRSPRHM IEEIVLVDDA SERDFLKRPL ESYVKKLVKVP VHVIRMEQRS GLIRARLKGA AVSRGQVITF LDAHCECTAG WLEPLLARIK HDRRTVVCP I IDVISDDTFE YMAGSDMTYG GFNWKLNFRW YVPVQREMDR RKGDRTPVR TPTMAGGLFS IDRDFQEI G TYDAGMDIWG GENLEISFRI WQCGGTLEIV TCSHVGHVFR KATPYTFPGG TGQIINKNNR RLAEVWMDEF KNFFYIISPG VTKVDYGDIS SRLGLRRKLQ CKPFSWYLEN IYPDSQIPRH YFSLGEIRNV ETNQCLDNMA RKENEKVGIF NCHGMGGNQV FSYTANKEIR TDDLCLDVSK LNGPVTMLKC HHLKGNQLWE YDPVKLTLQH VNSNQCLDKA TEEDSQVPSI RDCTGSRSQQ WLLRNVTLPE IFHHHHHH .