

Datasheet for ABIN7596277

GalNAc Transferase 1/GALNT1 (AA 41-559) (Active) protein (His tag)



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Overview

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| Quantity: | 100 µg |
| Target: | GalNAc Transferase 1/GALNT1 |
| Protein Characteristics: | AA 41-559 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | His tag |
| Application: | SDS-PAGE (SDS), Enzyme Activity Assay (EAA) |

Product Details

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| Sequence: | GLPAGDV LEPVQKPHEG PGEMGKPVVI PKEDQEKMK MFKINQFNLM ASEMIALNRS LPDVRLEGCK TKVYPDNLPT TSVVIVFHNE AWSTLLRTVH SVINRSPRHM IEEIVLVDDA SERDFLKRPL ESYVKKLKVP VHVIRMEQRS GLIRARLKGA AVSKGQVITF LDAHCECTVG WLEPLLARIK HDRRTVVCPI IDVISDDTFE YMAGSDMTYG GFNWKLNFRW YPVPQREMDR RKGDRTPVR TPTMAGGLFS IDRDYFQEIG TYDAGMDIWG GENLEISFRI WQCGGTLEIV TCSHVGHVFR KATPYTFPGG TGQIINKNNR RLAEVWMDEF KNFFYIISPG VTKVDYGDIS SRVGLRHLKQ CKPFSWYLEN IYPDSQIPRH YFSLGEIRNV ETNQCLDNMA RKENEKVGIF NCHGMGGNQV FSYTANKEIR TDDLCLDVSK LNGPVTMLKC HHLKGNQLWE YDPVKLTLQH VNSNQCLDKA TEEDSQVPSI RDCNGSRSQQ WLLRNVTLPE IF |
| Purity: | > 90% by SDS-PAGE |

Product Details

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| Endotoxin Level: | < 1 EU per 1ug of protein (determined by LAL method) |
| Biological Activity Comment: | Specific activity is > 300pmol/min/ug, and is defined as the amount of enzyme that transfer 1.0pmole of GalNAc from UDP-GalNAc to peptide EA2 per minute per minute at pH 8.0 at 37C. |

Target Details

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| Target: | GalNAc Transferase 1/GALNT1 |
| Background: | <p>GALNT1, also known as polypeptide N-acetylgalactosaminyltransferase 1, is a member of the GalNAc-T family of enzymes. It utilizes UDP-GalNAc as the nucleotide donor substrate to modify serine or threonine residues of proteins trafficking through the secretory pathway. Structurally, GalNAc-Ts consist of an N-terminal catalytic domain tethered by a short linker to a C-terminal ricin-like lectin domain containing three potential carbohydrate-binding sites. Also, this protein is involved in the glycosylation of proteins essential for bone formation such as osteopontin and bone sialoprotein. Recombinant human GALNT1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p> |
| Molecular Weight: | 60.4 kDa (528aa) |
| NCBI Accession: | NP_065207 |

Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. |