

GALNT7 Protein, Human (HEK293, His)

Cat. No.:	HY-P70867
Synonyms:	PolypeptideGalNAc-transferase7; Protein-UDP acetylgalactosaminyltransferase7; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 7; GALNT7.
Species:	Human
Source:	HEK293
Accession:	Q86SF2 (P30-V657)
Gene ID:	51809
Molecular Weight:	65-80 kDa

PROPERTIES

AA Sequence

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PRPDDPSPLS    RMREDRDVND    PMPNRGGNGL    APGEDRFKPV
VPWPHVEGVE    VDLESIRRIN    KAKNEQEHA    GGDSQKDIMQ
RQYLTFKPQT    FTYHDPVLRP    GILGNFEPKE    PEPPGVVGGP
GEKAKPLVLG    PEFKQAIQAS    IKEFGFMVA    SDMISLDRSV
NDLRQEECKY    WHYDENLLTS    SVVIVFHNEG    WSTLMRTVHS
VIKRTPRKYL    AEIVLIDDFS    NKEHLKEKLD    EYIKLWNGLV
KVFRNERREG    LIQARSIGAQ    KAKLGQVLIY    LDAHCEVAVN
WYAPLVAPIS    KDRTICTVPL    IDVINGNTYE    IIPQGGGDED
GYARGAWDWS    MLWKRVP LTP    QEKRLRKTKT    EPYRSPAMAG
GLFAIEREFF    FELGLYDPGL    QIWGGENFEI    SYKIWQCGGK
LLFVPCSRVG    HIYRLEGWQG    NPPPIYVGSS    PTLKNYVRVV
EVWWDEYKDY    FYASRPESQA    LPYGDISELK    KFREDHNCKS
FKWFMEEIAY    DITSHYPLPP    KNVDWGEIRG    FETAYCIDSM
GKTNGGFVEL    GPCHRMGGNQ    LFRINEANQL    MQYDQCLTKG
ADGSKVMITH    CNLNEFKEWQ    YFKNLHRFTH    IPSGKCLDRS
EVLHQVFISN    CDS SKTTQKW    EMNNIHSV
  
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Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0.
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

GALNT7 is a glycopeptide transferase that plays a crucial role in O-linked oligosaccharide biosynthesis. Unlike other members of its protein family, GALNT7 does not act as a peptide transferase that directly transfers N-acetyl-D-galactosamine (GalNAc) onto a serine or threonine residue on the protein receptor. Instead, it catalyzes the transfer of GalNAc to an already glycosylated peptide, requiring the prior addition of a GalNAc on a peptide before adding additional GalNAc moieties. While GALNT7 primarily functions in O-linked glycosylation, some peptide transferase activity cannot be entirely excluded, and the identification of its appropriate peptide substrate remains a subject of ongoing investigation.

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

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