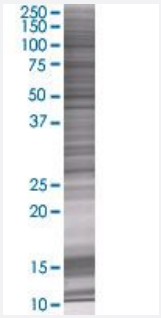
GALNT9 293T Cell Transient Overexpression Lysate(Denatured)

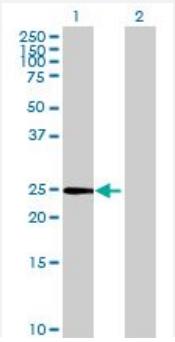
Catalog # H00050614-T01 Size 100 uL

Applications



SDS-PAGE Gel

GALNT9 transfected lysate.



Western Blot

Lane 1: GALNT9 transfected lysate (26.18 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-GALNT9 full-length
Host	Human
Theoretical MW (kDa)	26.18
Interspecies Antigen Sequence	Mouse (95); Rat (96)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-GALNT9 antibody (H00050614-B01) by Western Blots. SDS-PAGE Gel GALNT9 transfected lysate. Western Blot Lane 1: GALNT9 transfected lysate (26.18 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — GALNT9

Entrez GeneID	50614
GeneBank Accession#	NM_021808.2
Protein Accession#	NP_068580.2
Gene Name	GALNT9
Gene Alias	GALNAC-T9
Gene Description	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9 (GalNAc-T9)
Omim ID	606251
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a lumenal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. This gene is expressed specifically in the brain, with highest expression in the cerebellum. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq

Other Designations	GalNAc transferase 9|UDP-GalNAc: polypeptide N-acetylgalactosaminyltransferase 9|UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9|polypeptide N-acetylgalactosaminyltransferase 9|protein-UDP acetylgalactosaminyltransferase

Pathway

- Metabolic pathways
- O-Glycan biosynthesis