

Recombinant Human GALNT15, His-tagged

Cat. No. GALNT15-87H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Polypeptide N-Acetylgalactosaminyltransferase-Like Protein 2/GALNTL2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Pro39-Arg639) of Human GALNTL2 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	39-639 a.a.
Description	Polypeptide N-Acetylgalactosaminyltransferase-Like Protein 2 (GALNTL2) belongs to the Glycosyltransferase 2 family and GalNAc-T subfamily. GALNTL2 is a single-pass type II membrane protein and it is highly expressed in the small intestine, placenta, spleen, cerebral cortex, and ovary. GALNTL2 consists of two conserved domains in the glycosyltransferase region: the N-terminal GT1 motif, which is probably involved in manganese coordination and substrate binding and the C-terminal Gal/GalNAc-T motif, which is probably involved in catalytic reaction and UDP-Gal binding. GALNTL2 takes part in the protein modification and protein glycosylation process and catalyzes the initial reaction in O-linked oligosaccharide biosynthesis.
AA Sequence	PPHHTLHQTVTAQASKHSPEARYRLDFGESQDWVLEAEDEGEEYSPLEGLPPFISL REDQ61LLV AVALPQARRNQSQGRRGGSYRLIKQPRRQDKEAPKRDWGADEGE VSEEEELTPFSL121DPRGL QEALSARIPLQRALPEVRHPLCLQQHPQDSLPTASVIL

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CFHDEAWSTLLRTVHSI181LDTVPRA FLKEIILVDDLSQQGQLKSALSEYVARLEGV
KLLRSNKRLGAIRARMLGATRA241TGDVLVFMD AHCECHPGWLEPLLSRIAGDRS
RVVSPVIDVIDWKTFFQYYPSKDLQRGVLD31WKLDFHWEPLP EHVRKALQSPISPIR
SPVVPGEVVAMDRHYFQNTGAYDSLMSLRGGENL361ELSFKAWLCCGGSV EILPCS
RVGHIYQNQDSHSPLDQETTLRNRVRIAETWLGSFKETFYK421HSPEAFSLSKA EK
PD CMERLQLQRRLLGCRTFHWFLANVPELYPSEPRPSFSGKLHNTGL481GLCAD
CQAEGDILGCPM VLAPCSDSRQQQYLQHTSRKEIHFGSPQHLCFAVRQEQVILQN5
41CTEEGLAIHQHWFQENG MIVHILSGKCMEAVVQENNKDLYLRPCDGKARQQ
WRFDQIN61AVDERVDHHHHHH

Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
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Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
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