Recombinant Human GCNT2, His-tagged

Cat. No. GCNT2-89H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human N-Acetyllactosaminide β-1,6-N-Acetylglucosaminyl-Transferase Isoform C/GCNT2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Arg21-Phe402) of Human GCNT2 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	21-402 a.a.
AA Sequence	RFYSSQLSPPKSYEKLNSSSERYFRKTACNHALEKMPVFLWENILPSPLRSVPCKDY LTQNHYIT SPLSEEEAAFPLAYVMVIHKDFDTFERLFRAIYMPQNVYCVHVDEKAPA EYKESVRQLLSCFQNA FIASKTESVVYAGISRLQADLNCLKDLVASEVPWKYVINTC GQDFPLKTNREIVQHLKGFKGKNI TPGVLPPDHAIKRTKYVHQEHTDKGGFFVKNTN ILKTSPPHQLTIYFGTAYVALTREFVDFVLRD QRAIDLLQWSKDTYSPDEHFWVTLN RVSGVPGSMPNASWTGNLRAIKWSDMEDRHGGCHGHYVHG ICIYGNGDLKWLVN SPSLFANKFELNTYPLTVECLELRHRERTLNQSETAIQPSWYFLDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

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Gene Name	GCNT2 glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group) [Homo sapiens]
Official Symbol	GCNT2
Synonyms	GCNT2; glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group); cataract, congenital , CCAT, GCNT5, glucosaminyl (N acetyl) transferase 2, I branching enzyme , glucosaminyl (N acetyl) transferase 2, I branching enzyme (Ii blood group) , glucosaminyl (N acetyl) transferase 5 , II, NACGT1; N-acetyllactosaminide beta-1,6-N-acetylglucosaminyl-transferase; bA360O19.2; bA421M1.1; IGNT; Ii blood group; NAGCT1; ULG3; unassigned linkage group 3; I beta-1,6-N-acetylglucosaminyltransferase; beta-1,6-N-acetylglucosaminyltransferase 2; II; CCAT; GCNT5; GCNT2C; NACGT1; MGC163396;
Gene ID	2651
mRNA Refseq	NM_001491
Protein Refseq	NP_001482
MIM	600429
UniProt ID	Q06430
Chromosome Location	6p24.2
Pathway	Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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Function	N-acetyllactosaminide beta-1,6-N-acetylglucosaminyltransferase activity; transferase activity, transferring glycosyl groups;

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