

Recombinant Human B4GALT4 protein, His-tagged

Cat. No. B4GALT4-392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human B4GALT4(Gln39-Ala344) fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln39-Ala344
Form	Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 7.5
AA Sequence	QEIPKAKEFMANFHKTLLGKGKTLTNEASTKKVELDNCPSVSPYLRGQSKLIFKPDLT LEEVQA ENPKVSRGRYPREECKALQRVAILVPHRNREKHLMYLLEHLHPFLQRQQ LDYGIYVIHQAEKGKF NRAKLLNVGYLEALKEENWDCFIHFDVLDLPENDFNLYKCE EHPKHLVVGRNSTGYRLRYSGYFG GVTALSREQFFKVNGFSNNYWGWWGGEDDDL RLRVELQRMKISRPLPEVGKYTMVFHTRDKGNEVN AERMKLLHQVSRVWRTDGLS SCSYKLVSVEHNPLYINITVDFWFGAVDHHHHHH
Endotoxin	Less than 0.1 ng/µg (1 IEU/µg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

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Shipping The product is shipped on dry ice/ice packs.

GENE INFORMATION

Gene Name	B4GALT4 UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4 [Homo sapiens]
Official Symbol	B4GALT4
Synonyms	B4GALT4; UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4; beta-1,4-galactosyltransferase 4; beta4Gal T4; beta-1,4-GalTase 4; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 4; UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase 4; beta-N-acetylglucosaminyl-glycolipid beta-1,4-galactosyltransferase 4; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 4; B4Gal-T4; beta4Gal-T4;
Gene ID	8702
mRNA Refseq	NM_003778
Protein Refseq	NP_003769
MIM	604015
UniProt ID	O60513
Chromosome Location	3q13.3
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Glycosaminoglycan biosynthesis - keratan sulfate, organism-specific biosystem; Glycosaminoglycan

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biosynthesis - keratan sulfate, conserved biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, organism-specific biosystem; Glycosphingolipid biosynthesis - lacto and neolacto series, conserved biosystem; Glycosphingolipid biosynthesis, neolacto-series, LacCer => nLc4Cer, organism-specific biosystem;

Function

N-acetyllactosamine synthase activity; galactosyltransferase activity; metal ion binding; transferase activity, transferring glycosyl groups;

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