

Recombinant Mouse B3galt5 Protein, Myc/DDK-tagged

Cat. No. B3galt5-1800M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5 (B3galt5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the transfer of Gal to GlcNAc-based acceptors with a preference for the core3 O-linked glycan GlcNAc(beta1,3)GalNAc structure. Can use glycolipid LC3Cer as an efficient acceptor. Also catalyzes the transfer of Gal to the terminal GalNAc unit of the globoside GB4, thereby synthesizing the glycolipid GB5, also known as the stage-specific embryonic antigen-3 (SSEA-3).
Molecular Mass	36 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name B3galt5 UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5 [Mus musculus (house mouse)]

Official Symbol B3galt5

Synonyms AU045265; b3Galt-V; 1190002B21Rik

Gene ID 93961

mRNA Refseq NM_033149

Protein Refseq NP_149161

UniProt ID Q9JI67

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