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Product datasheet for TP508122

B3galnt2 (NM_178640) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 2 (B3galnt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208122 protein sequence Red=Cloning site Green=Tags(s) MRNWLVLLCPCVLGAALHLWHLWLRSPPDPHNTGPSAADQSALFPHWKFSHYDVVVGVLPARNNHELRNV IRNTWLKNLLHHPTLSQRVLVKFIIGARGCEVPVEDREDPYSCRLLNITNPVLNQEIEAFSFPEDASSSR LSEDRVVSVSFRVLYPIVITSLGVFYDASDVGFQRNITVKLYQTEQEEALFIARFSPPSCGVQVNKLWYK PVEQFILPESFEGTIVWESQDLHGLVSRNLHRVTVNDGGGVLRVLAAGEGALPHEFMEGVEGVAGGFIYT VQEGDALLRSLYSRPQRLADHIQDLQVEDALLQEESSVHDDIVFVDVVDTYRNVPAKLLNFYRWTVESTS FDLLLKTDDDCYIDLEAVFNRIAQKNLDGPNFWWGNFRLNWAVDRTGKWQELEYPGPAYPAFACGSGYVI SKDIVDWLAGNSRRLKTYQGEDVSMGIWMAAIGPKRHQDSLWLCEKTCETGMLSSPQYSPEELSKLWELK ELCGDPCQCEAKVR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	57.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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RefSeq:	NP_848755
Locus ID:	97884
UniProt ID:	Q8BG28
RefSeq Size:	3681
Cytogenetics:	13 A1
RefSeq ORF:	1515
Synonyms:	A930105D20Rik; C80633; D230016N13Rik
Summary:	Beta-1,3-N-acetylgalactosaminyltransferase that synthesizes a unique carbohydrate structure, GalNAc-beta-1-3GlcNAc, on N- and O-glycans. Has no galactose nor galactosaminyl transferase activity toward any acceptor substrate. Involved in alpha-dystroglycan (DAG1) glycosylation: acts coordinately with GTDC2/POMGnT2 to synthesize a GalNAc-beta3-GlcNAc-beta-terminus at the 4-position of protein O-mannose in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan, which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (By similarity). [UniProtKB/Swiss-Prot Function]