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Product datasheet for MC200305

B3gat3 (BC002103) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3gat3 (BC002103) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B3gat3
Synonyms:	2810405M13Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC002103 GCCGGTCCCGGTGGACCCCGCCTGCCCCGGTGGCACCGGCCATGAAGCTGAAGCTGAAGAACGTGTTTCT TGCCTACTTCCTGGTGTCGATCGCCGGCCTCCTCTACGCTCTGGTGCAGCTCGGCCAGCCTTGCGACTGC CTCCCTCCGCTTCGAGCTGCAGCTGAGCAGCTTCGGCAGAAGGACCTGAGGATATCCCAGTTGCAAGCTG ATCTCCGTCGCCCACCCCCTGTCCCAGCCCAGCCCCCTGAACCTGAGGCCCTGCCTACTATCTATGTCAT TACCCCCACCTACGCCAGGCTGGTACAAAAGGCAGAGCTGGTTCGGCTGTCCCAGACCCTGAGCTTGGTG CCCCGTCTACACTGGCTGCTAGTGGAGGACGCTGAGAGCCCTACCCCGCTGGTCTCGGGGCTGTTGGCCG CCTCTGGTCTCCTCTTTACACACCTGGCTGTCCTTACCCCCAAGGCTCAACGGCTTAGGGAAGGTGAGCC AGGCTGGGTCCGGCCCCGAGGAGTGGAACAGCGCAATAAGGCCCTCGACTGGCTCCGAGGAAAAGGGGGT GCTGTTGGGGGGGAGAAGGATCCACCGCCACCAGGGACCCAAGGAGTCGTGTATTTTGCTGACGATGACA ACACCTACAGCCGGGAGCTCTTTAAGGAGATGCGTTGGACTCGCGGTGTCTCAGTGTGGCCTGTGGGGCT GGTGGGTGGCCTGCGATTTGAAGGTCCTCAGGTACAGGATGGCCGCGTTGTGGGTTTCCACACAGCATGG GAACCCAACAGGCCCTTTCCCTTGGACATGGCGGGATTTGCGGTTGCCCTGCCCTTGCTATTGGCTAAGC CCAATGCCCAGTTTGATGCTACTGCACCCCGGGGCCACCTGGAAAGTAGTCTCCTGAGCCACCTTGTAGA TCCCAAGGACCTGGAGCCACGGGCTGCCAATTGTACTCAGGTACTGGTATGGCACACCCGGACAGAGAAA CCTAAGATGAAGCAGGAGGAGCAGCTACAACGGCAGGGCCAGGGCTCAGACCCAGCCATTGAGGTGTGAT GGCAACCTCACCCTGACTTCTACCTTATTTTAGGCACATACCTTGTGGGACTGGGCTCCAGGCCAGCCCA GGATGTGGTTTTTTTTTTAAAGACCTGACCCCTGAGAACCAGAGGCAGCCCCTCCAACCACAGGGTGTGT CCCAGTTGCTTCCCTCCCTTCCCCCAGCCTGCCATGTGGCACTGCCCACATGTTGGGGACAAGCAGCTTC TCTAGTGAGCCAGATCAGCCCCATCTGGGGCGGAGCAGGACAGATGGACTCAGAAAGGAGGGTAGCTGTG GGAAAAGGGTAACTTATTGGGGACAAGCATGCAGTGGGGGGCTAGAGGAGCTGGGCTGGACCCTCCCCAC CTGAGCATGCGATCCCCTTCCTACCTCTAGAATAAAGAATCTCAACCCGGAAAAAAAAAAAAAAAAAAAA AAA
Restriction Sites:	RsrII-NotI
ACCN:	BC002103
Insert Size:	1008 bp

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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC002103, AAH02103
RefSeq Size:	1473 bp
RefSeq ORF:	1008 bp
Locus ID:	72727
Cytogenetics:	19 A
Gene Summary:	Glycosaminoglycans biosynthesis. Involved in forming the linkage tetrasaccharide present in heparan sulfate and chondroitin sulfate. Transfers a glucuronic acid moiety from the uridine diphosphate-glucuronic acid (UDP-GlcUA) to the common linkage region trisaccharide Gal-beta-1,3-Gal-beta-1,4-Xyl covalently bound to a Ser residue at the glycosaminylglycan attachment site of proteoglycans. Can also play a role in the biosynthesis of l2/HNK-1 carbohydrate epitope on glycoproteins. Stimulates 2-phosphoxylose phosphatase activity of PXYLP1 in presence of uridine diphosphate-glucuronic acid (UDP-GlcUA) during completion of linkage region formation.[UniProtKB/Swiss-Prot Function]