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Product datasheet for MC218495

Csgalnact2 (NM_030165) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csgalnact2 (NM_030165) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Csgalnact2
Synonyms:	4632415D10Rik; Galnact2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC218495 representing NM_030165
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTAGAAGAGGATCGATTCTGCACAGCCGGACCCAGTGGCTGCTGTTGGGCCTTGCTTTGCTCTTCA
GTTTAGTATTATTTATGTACCTCCTGGAATGTGCCCCCCAGACTGATGGAAATGCTTCTCTTCCTGGTGT
TGTTAGAGAAAATTATGGTAAAGAATATTACCAGGCCCTCCTGCAGGAGCAAGAAGAACATTACCAAACC
AGGGCAACCAGTCTGAAACGCCAGATTGCCCAGCTAAAGCAAGAATTACAAGATATGAGTGAGAAGATGA
GAGCCTTGCAAGAGAGAAAGAAGCTAGGGGCTAACGGCGTAGGCTATCCTGGCAACAGAGAGCAGGCACC
CAGTGACCTCTTAGAGTTTCTTCACTCCCAGATCGATAGAGCTGAAGTTAGCGTGGGGGCCAAACTCCCC
AGTGAGTATGGAGTCGTTCCCTTTGAAAGTTTTACTTTAATGAAAGTATTTCAGTTGGAAATGGGTCTCA
CTCGCCATCCTGAAGAAAAGCCAGTTAGAAAAGACAAACGAGACGAACTGGTAGAAGTTATTGAAGCTGG
CGTGGAGGTCATTAATAATCCTGATGAAGATGATGCACAGGAAGATGAGGAGGGTCCCCTTGGAGAGAAA
CTGATATTTAATGAAAATGACTTCATAGAAGGCTATTATCGCACTGAGAGAGATAAAGGCACGCAGTATG
AACTGTTTTTTAAGAAAGCAGACCTTATGGAGTACAGACATGTGACCCTCTTCCGCCCTTTTGGACCTCT
CATGAAAGTGAAGAATGAACTGATCGACATTACAAGATCAGTTATTAATATCATTGTGCCACTTGCGGAG
AGGACAGAGGCGTTTTCACAGTTTATGCAGAACTTCAGAGATGTTTGTATTCATCAAGACAAGAGGATTC
ATCTCACCGTTGTGTATTTTGGGAAAGAAGGACTATCTAAAGTCAAGTCTATTCTAGAATCTGTCTCAAG
TGAGTCTGATTTTCACAATTACACCTTGGTCTCGTTGGACGAAGAATTTAATCGTGGACGAGGACTAAAT
GTGGGTGCCCGAGCTTGGGACAAGGGAGAGGTCTTGATGTTTTTCTGTGATGTTGATATATATTTCTCAG
CTGAATTCCTTAACAGCTGCCGGTTAAATGCTGAGCCAGGTAAAAAGGTGTTTTACCCTGTGGTGTTCAG
TCTTTACAACCCTGCCATTGTCTATGCCAACCAGGACGTGCCGCCCCCTGTGGAGCAGCAGCTGGTTCAT
AAAAAGGACTCTGGTTTTTGGAGAGACTTTGGCTTTGGGATGACCTGTCAATATCAATCGGATTTCCTGA
GTGTCGGTGGATTCGACATGGAAGTAAAAGGCTGGGGTGGAGAAGATGTTCATCTTTACCGAAAATACCT
ACACGGTGATCTTATTGTGATTCGGACTCCAGTTCCCGGTCTTTTCCACCTCTGGCATGAGAAACATTGT
GCAGATGAGCTGACCCCTGAGCAGTACCGAATGTGCATCCAATCCAAAGCCATGAATGAGGCCTCCCACT
CTCACCTGGGAATGATGGTTTTCAGGGAGGAGATAGAGATGCATCTTCGCAAACAGGCATACAGAACAAA
CAGCGAGACTGCTGGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030165

Insert Size: 1629 bp

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:	NM_030165.3, NP_084441.3
RefSeq Size:	3676 bp
RefSeq ORF:	1629 bp
Locus ID:	78752
UniProt ID:	Q8C1F4
Cytogenetics:	6 F1
Gene Summary:	Transfers 1,4-N-acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of glucuronic acid (GlcUA). Required for addition of the first GalNAc to the core tetrasaccharide linker and for elongation of chondroitin chains (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.