

Product datasheet for **RR212772**

Csgalnact2 (NM_001106616) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csgalnact2 (NM_001106616) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csgalnact2
Synonyms:	Galnact2; RGD1563660
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212772 representing NM_001106616
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTAGAAGAGACCATTCTCACAGCCGACCCAGTGGCTGCTGGTGGCCTTGCTTTGCTTTTCA
 GTCTAGTATTATTATGTACCTCCTGGAATGTGCCCCAGACTGATGGAATGCTTCTCTCCCTGGTGT
 GGTTAGAGAAAATTATGGTAAAGAATATTACCAAGCCCTCCTGCAGGAGCAAGAAGAACATTACCAAAC
 AGGGCAACCAGTTTGAACGCCAGATTGCCAGCTAAAGCAAGAATAACAAGATATGAGTGAGAAGATGA
 GAGCCTTGCAAGAGAGGAAGAAGCTAGGGGCTAACGGCATAGGCTATCAGGGCAACAGAGAGCAGACACC
 CAGCGACCTCTTAGAGTTTCTTCAATCCAGATCGACAGAGCTGAAGTCAGCATAGGGGCCAACTACCC
 AGTGAGTATGGAGTCGTTCCCTTTGAAAGTTTACTTTAATGAAAGTATTCAGTTGGAATGGGTCTCA
 CGCGCCATCCTGAAGAAAAGCCAGTTAGAAAAGACAAACGAGATGAATTGGTAGAAGTTATTGAAGCTGG
 CTTGGAGGTCATTAATAATCCTGATGAAGATGATGAACAGGAAGATGAGGAGGGCCCCCTGGAGAGAAA
 CTGATATTTAATGAAAATGACTTCATAGAAGGCTATTACCGCACTGAGAGAGATAAAGGCACGCACTATG
 AGCTGTTTTTAAAGAGGCAGACCTTATGGAATACAGGCATGTGACCCTCTTCCGCCCTTTCGGACCTCT
 CATGAAAGTGAAGAGCGAGCTGATTGACATTACAAGATCGGTTATTAATATCATTGTGCCGCTTGCTGAG
 AGGACAGAAGCCTTTTCAGGTTATGCAGAATTCAGAGATGTTTGTATTCATCAAGACAAGAGAATTC
 ATCTCACCGTTGTGATTTTTGGGAAAGAAGGACTATCTACAGTCAAGTCTATTCTAGAATCTGTCTCAAG
 TGAGTCTAATTTTACAATTACACCTTGGTCTCATTGAACGAAGAATTAATCGTGGACGAGGACTAAAT
 GTGGGTGCCCGAAGTTGGGACAAGGGAGAGGCTTGTGATTTTTCTGTGATGTTGATATATATTTCTCAG
 CTGAATTCCTTAAACAGCTGCCGTTAAATGCTGAGCCAGTAAAAAGTGTTTTACCCCGTGGTGTTCAG
 TCTTTACAACCCTGCCATCGTCTATGCCAACAGGAAGTCCACCTCCCGTGGAGCAGCAGCTGGTTCAT
 AAAAAGGACTCTGGTTTTTGGAGAGATTTTGGCTTTGGGATGACGTGCAATATCAATCAGATTTTCTGA
 GTGTCGGTGGATTGACATGGAAGTAAAAGGCTGGGGTGGAGAAGATGTTTCATCTTACCAGAACTACTT
 ACATGGTGTCTTATTGTGATTCGGACTCCAGTTCCTGGCCTTTTCCACCTCTGGCATGAGAAACACTGT
 GCGGACGAGCTGACCCCTGAGCAATACCGAATGTGCATCCAATCCAAAGCCATGAACGAGGCTCTCACT
 CCCACCTGGGAATGATGGTCTTCAGGGAGGAAATAGAGATGCACCTCCGCAAACAGGCGTACAGAACCAA
 CAGCGAGGCCGCTGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212772 representing NM_001106616
 Red=Cloning site Green=Tags(s)

MSRRGPILHSRTQWLLVGLALLFSLVLFMYLLECAPQTDGNASLPGVVRENYGKEYYQALLQEQQEYHYQT
 RATSLKRQIAQLKQELQDMSEKMRALQERKKLGANGIGYQGNREQTPSDLLEFLHSQIDRAEVSIGAKLP
 SEYGVVFPFESFTLMKVFQLEMGLTRHPEEKPVKDKRDELVEVIEAGLEVINNPDEDDEQEDEEGPLGEK
 LIFNENDFIEGYRTERDKGTHYELFFKKADLMEYRHVTLFRPFGPLMKVXSELIDITRSVINIIIVPLAE
 RTEAFSQFMQNFQDVCIHQDKRIHLTVVYFGKEGLSTVKSILESVSSESNFHNYTLVSLNEEFNRGRGLN
 VGARTWDKGEVLMFFCDVDIYFSAEFLNSCRLNAEPGKVFYPVVFSLYNPAIVYANQEVPPPVEQQLVH
 KKDSGFWRDFGFGMTQYQSDFLSVGGFDMEVKWGGEDVHLRYKYLHGDLIVIRTPVPLFHLWHEKHC
 ADELTPQYRMCIQSKAMNEASHSLGMMVFREEIEMHLRKQAYRTNSEAAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

ACCN:	NM_001106616
ORF Size:	1626 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001106616.1 , NP_001100086.1
RefSeq Size:	3636 bp
RefSeq ORF:	1629 bp
Locus ID:	297554
Cytogenetics:	4q42
MW:	62.7 kDa