

Product datasheet for **RR205692**

Csgalnact1 (NM_001107309) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csgalnact1 (NM_001107309) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csgalnact1
Synonyms:	Chgn; RGD1307618
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR205692 representing NM_001107309
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCGACCGGGCTGGTGGGTGGATTCCCGGGTAGTGATTCTGCTGGTGTCTCTGTTGTGCCA
 TCTCTGTTCTCTACATGTTAGCCTGCACCCAAAAGGCGACCAAGAGCAGCTGGGACTGCCACGGGCCAA
 CGGCCCCACAGGCAAAGATGGCTACCAAGCGGTGCTACAGGAGCGTGAGGAACAGCATCGCAACTATGTG
 AATAGTCTTAAGCGACAGATCGCGCAGCTCAAGGATGAACTGCAGGCACGCAGTGAGCAGCTCCGCAGTG
 GGCAGGACCAGGCCAGCGATGCCACCAGCCTGCGGTGAGGCTGGGACCCTGAACCCAAAGCCAGGCTGA
 TATACTGGCCTTCTGCGTGGCAGGTGGACAAGGCTGAGGTCCACGCCGGTGTCAAGCTGGCCACCGAA
 TATGCTGTGTGCCTTTGATAGCTTCACTCTGCAGAAAGTATACCAGCTGGAGACTGGTCTGACCCGCC
 ACCCTGAGGAGAAACCAGTGAGGAAGGACAAGCGAGATGAGCTAGTGGAAGCTATCGAATCAGCCCTGGA
 GAGTCTAAACAGCCCTGTGGAAGCAGCCACACCAGCGCCCTTACACGGCTGCAGACTTCATAGAAGGG
 ATCTACCGAACAGAAAGGATAAAGGCACCTTTGTATGAGCTGACCTTCAAAGGGGACCATAAGCATGAAT
 TCCAACGACTTGTCTATTTTCGACCTTTTGCCCCATCATGAAAGTGAAGAAGGAAAAGCTCAACATGGC
 CAACACACTTATCAACGTTATCGTCCCTAGCGAGGAGGGTGGACAAGTTCGGCATTTCATGCAGAAC
 TTCAGGGAGATGTGCATCCAACAAGATGGGAGAGTTTCACTTACCCTGTTTATTTTGGGAAAGAAGAAA
 TGAATGAAGTCAAAGGAATACTTGAACAACCTCCAAGGCTGCCAATTTAGAACTTCACTTCATCCA
 GCTGAATGGAGAGTTCTCCCGGGAAAGGACTGGATGTTGGAGCCCGCTTCTGGAAGGGAAGTAATGTC
 GTGCTCTTTTCTGTGATGTGGACATCTACTTCACTTCACTGAGTTCCTCAACACATGTAGGCTGAACAC
 AGCCAGGAAGAAGGATTTTATCCGGTCTTTTCAGTCAGTATAACCCCTGGCATAATCTACGGCCATCA
 TGATGCTGTCCCTGCCCTAGAACAGCAGCTGGTACATAAAGAAGGAAACAGGATTTTGGAGGACTTTGGA
 TTCGGAATGACTTGTGAGTACCGGTGAGCTTTCATCAACATAGGTGGATTTGACCTGGACATCAAAGGCT
 GGGGCGGTGAAGATGTGCACCTGTACCGGAAATATCTCCATAGCAACCTCATAGTGATACGCACGCTGT
 ACGGGGACTTTTCCACCTTTGGCATGAGAAGCACTGTATGGATGAACTGACCCCTGAGCAGTACAGGATG
 TGCATGCAATCAAAGGCTATGAATGAAGCATCCCACGGGCAGCTGGGAATGCTTGTCTTCCGGCATGAAA
 TAGAGGCTCACCTTCGAAACAGAAGCTCAAAGCCAGCAGTAAAAAGACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205692 representing NM_001107309
 Red=Cloning site Green=Tags(s)

MVRRGLVGWISRVVILLVLLCCAISVL YMLACTPKGDQEQQLGLPRANGPTGKDGQYAVLQEREEQHRNYV
 NSLKRQIAQLKDELQARSEQLRSGDQASDATSLRSGWDEPKAQADILAFLRGQVDKAEVHAGVKLATE
 YAAVPFDSFTLQKVYQLETGLTRHPEEKPVKDKRDELVEAIESALESLNSPVESSPHQRPYTAADFIEG
 IYRTERDKGTLYELTFKGDHKHEFQRLVLFRRPFPIMKVKKEKLNMANLINVIVPLARRVDKFRHFMQN
 FREMCIQQDGRVHLTVVYFGKEEMNEVKGILENTSKAANFRNFTFIQLNGEF SRGKGLDVGARFWKGSNV
 VLFFCDVDIYFTSEFLNLCRLNTQP GKVFYPVLF SQYNPGI IYGHDAVPALEQQLVIKKETGFWRDFG
 FGMTQCQYRSDFINIGGFDLDIKGWGGEDVHL YRKYLHNSL I VIRT PVRGLFHLWHEKHCMDEL TPEQYRM
 CMQSKAMNEASHGQLGMLVFRHEIEAHLRKQKLKASSKKT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

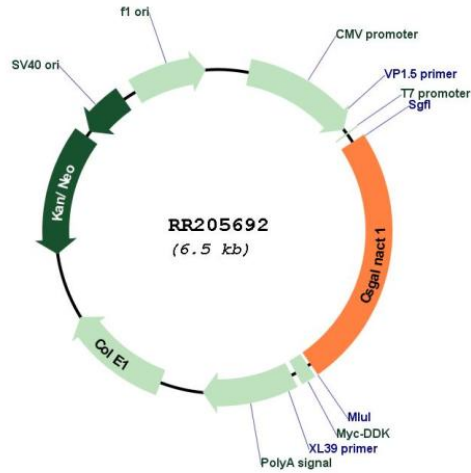
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001107309
ORF Size:	1590 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_001107309.1 , NP_001100779.1
RefSeq Size:	2314 bp
RefSeq ORF:	1593 bp
Locus ID:	306375
Cytogenetics:	16p14
MW:	60.9 kDa