

Product datasheet for **RR210218**

Gcnt2 (NM_001001511) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gcnt2 (NM_001001511) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gcnt2
Synonyms: Ignt
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210218 representing NM_001001511
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACCTATGTATGAAATTTTCGCTTTCAGTGCCTCAGCGTGGTGATTTTGTGGTTTTTATCACA
GCCAGCTAAGCCTGCCAACCTCTACCAGCGTTCAATAGCTCCAGCGAAAGGACGTCTGTCATCGCCTG
TGATTACGGCTTGCAAAATCATTGGTCTTCGTGCCGGGATCACATCACCACATCCTTTAGAAAACTC
TCCTGCTCTCAGTACCAGATCCTGAGCCACTATATTACCAGTCCCTTGTCGAAGAAGAAGCTGACTTTC
CCTTGGCTACGTCTAGTGTATGATAAAGACTTCGACACCTTTGAAAGGCTCTTCAGGGCCATTTACAT
GCCCCAGAACGTCTACTGTGTGCACGTGGACAGTAAGGCGGCAGAGACCTTCAAAGAAGCGGTGAGGCAT
TACTGAGCTGTTTCCCAATGCCTTCTGGCTTCTAGGATGGAGCGGGTGGTCTATGGTGGCTTCTCC
GGCTCCAGGTGACCTGAACTGCATGAGAGATCTGGTGGCTTCCAAAGTCCCCTGGAAATATGTCATCAA
CACCTGCGGGCAGGACTCCCTCTGAAAACCAAAAGAAATAGTTCAGTACCTGAAAGGGTTAAGGGG
AAAAACCTCACTCCGGGGTCTCCCTCTGAGCATGTAATTACTCGACTAAATACGTATACAAGGAAC
GTAAAGGCAGAGACGGATATTTTATGAAAACACAAATACTTTGAAGACTCCGCCCTCACAACACTGGT
CATCTACTTTGGAACCGCTACGTGGCCCTCACCCGAGACTTTGTCAACTTTATCCTGAATGACAAAAGG
GCCATTGATCTCTTAGAGTGGTCTAAAGATACCTATAGCCCGGATGAACATTTTGGGTGACACTCAATA
GGATTCCAGGAGTCCCTGGCGCCATGCCAATGCATCCTGGACAGGTAACCTCAGAGCTGTGAAGTGGAA
GGATATGGAATCGCAGAATGGAGCCTGCCACGGTCACTACGTACATGACATTTGCATCTATGAAAACGGA
GACTTGAATGGCTGATTAATTCGAGAGCCTGTTTGCTAACAAGTTGAAGTCAACACATACCCTCTCA
CTGTGGAATGCTTGAAGTGGCTTCGAGAAAGAACGCTCAATCAGAGTACATTGCCTTACAGCCAG
CTGGCATTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210218 representing NM_001001511
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MNLCMKFFAFTALSVVIFVVFYHSQLSLPNLYQRFNSSERTSVIACDYGLQNHVSFVPGITSPHPLEKL
 SCSQYQILSHYITSPLEEEADFLAYVMVIYKDFDTFERLFRAIYMPQNVYCVHVDSKAAETFKEAVRH
 LLSFCFNAFLASRMERVVYGGF SRLQADLNCMRDLVASKVPWKYVINTCGQDFPLKTNKEIVQYLKGFKG
 KNLTTPGVLPPEHVITRTRKYVYKERKGRDGYFMQNTNTLKTTPPHKLVIFYGTAYVALTRDFVNFILNDKR
 AIDLLEWSKDTYSPDEHFVWTLNRI PGVPGAMPNASWTGNLRVAVKWKDMESQNGACHGHYVHDIC IYGN
 DLQWLINSQSLFANKFEVNTYPLTVECLELRLRERTLNQSDIALQPSWHF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

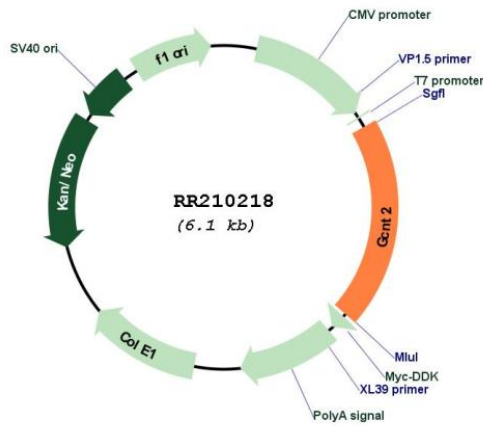
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001001511

ORF Size:	1200 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_001001511.2 , NP_001001511.1
RefSeq Size:	4109 bp
RefSeq ORF:	1203 bp
Locus ID:	306860
Cytogenetics:	17p13
MW:	46.1 kDa