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Product datasheet for RC225706

GCNT7 (NM_080615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCNT7 (NM_080615) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GCNT7
Synonyms:	C20orf105; dJ1153D9.2; gcnt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC225706 representing NM_080615
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCAGCTTCGAGCCACAAAGTCTGGACTTGTCGTGAGGGCAGTCATTTGCATCTTCATTTTTCTTT
ACTTAAGGAATCCAACTCCTGCAGAATCAGAAGAAGAACCTGCCCAACCAGAAGTAGTAGAATGTGGCTT
TTACCCAGATGAACTGTGTTCCGCTTTATTTGAAGGGAAAGGGGCGGCCCCCCAAATTGCAAAATTTTGC
AAAACCCCTCATAAATCTGAAATACATGCTCATTTACACACACCAGGAAACTGCTCCAGGATTTCTCGGG
GGCTGCATTTCATAACCAGACCCCTGTCTGCAGAAGAGGGCGATTTCTCTTTGGCATATATTATAACTAT
TCATAAGGAGCTGGCCATGTTTGTGCAGCTTCTCAGAGCTATTTATGTACCTCAAAATGTTTATTGTATT
CATGTTGATGAAAAGGCCCCAATGAAGTATAAGACTGCTGTGCAAACCTTGGTTAACTGTTTTGAAAACG
TTTTTATTTCCTCCAAGACAGAGAAGGTGGCTTATGCTGGCTTTACAAGACTACAGGCAGATATTAATTG
TATGAAAGTTCTAGTGCATTCTAAATTTCAATGGAACTATGTCATCAATCTTTGTGGACAGGATTTTCCC
ATCAAAACCAACAGAGAAATCATACACTACATCAGAAGCAAATGGAGTGATAAAAATATTACTCCTGGAG
TAATCCAACCATTGCACATTAAATCCAAGACAAGTCAAAGTCATCTCGAATTCGTTCCTAAAGGAAGTAT
CTATGCACCTCCAAATAACAGATTCAAAGACAAACCACCCCATAACTTAACCATTTATTTTGGAAGTGCT
TACTATGTACTTACAAGGAAGTTTGTAGAGTTCATACTGACTGACATCCATGCAAAAGACATGCTTCAGT
GGTCCAAAGACATCCGCAGCCCAGAGCAACACTACTGGGTGACCCTGAACCGACTAAAAGATGCTCCAGG
TGCTACACCAAACGCTGGCTGGGAAGGAAATGTTCGAGCCATTAAGCGGAAAAGTGAGGAAGGAAATGTT
CATGATGGATGTAAAGGCCGCTACGTCGAAGACATCTGCGTATACGGACCAGGAGACCTGCCGTGGCTCA
TTCAGTCGCCTTCTCTGTTTGCCAACAAATTCGAACCCTCGACAGACCCGCTTGTGGTTACCTGCTTAGA
GCGGCGGCACAGACTTCAAGTGCTGAGGCAGGCAGAAGTTCCTATAGAGCCACACTGGCATTTTCAACAG
CAGAGTCATTTCAATATGAGACTGAACCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225706 representing NM_080615
Red=Cloning site Green=Tags(s)

MSQLRATKSGLVVRAVICIFIFLYLRNPTPAESEEEPAQPEVVECGFYPDELCSALFEGKGAAPQIAKFC
KTPHKSEIHAHLHTPGNCSRISRGLHFITRPLSAEEGDFSLAYIITIHKELAMFVQLLRAIYVPQNVYCI
HVDEKAPMKYKTAVQTLVNCFENVFISSKTEKVAYAGFTRLQADINCMKVLVHSKFQWNYVINLCGQDFP
IKTNREIIHYIRSKWSDKNITPGVIQPLHIKSKTSQSHLEFVPKGSIYAPPNNRFKDKPPHNLTIYFGSA
YYVLTRKFVEFILTDIHAKDMLQWSKDIRSPEQHYWVTLNRLKDAPGATPNAGWEGNVRAIKRKSEEGNV
HDGCKGRYVEDICVYGPGDLPWLIQSPSLFANKFEPSTDPLVVTCLERRHRLQVLRQAEVPIEPHWHFQQ
QSHFNMRLNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8034_g07.zip

Restriction Sites: SgfI-MluI

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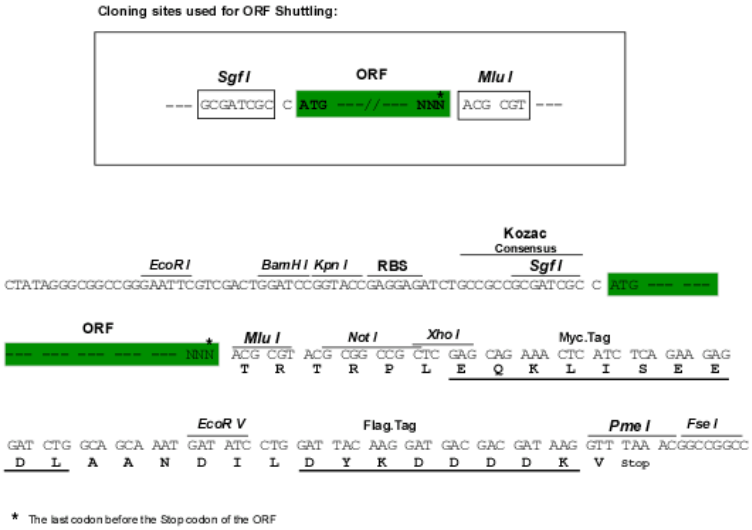
Cloning Scheme:



ACCN: NM_080615

ORF Size: 1290 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:
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_080615.1, NP_542182.1

RefSeq ORF: 1293 bp

Locus ID: 140687

UniProt ID: Q6ZNI0

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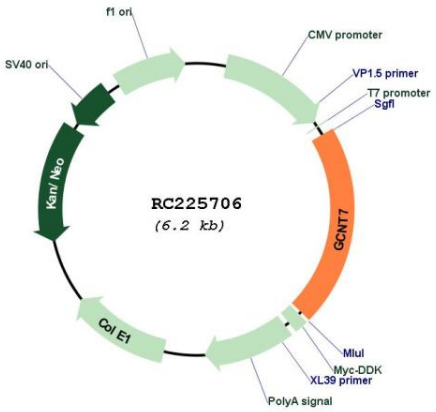
Cytogenetics: 20q13.31

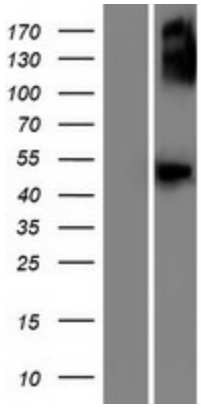
MW: 49.1 kDa

Gene Summary: Glycosyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225706



Western blot validation of overexpression lysate (Cat# [LY429947]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225706 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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