

Product datasheet for **RG225706**

GCNT7 (NM_080615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCNT7 (NM_080615) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GCNT7
Synonyms:	C20orf105; dj1153D9.2; gcnt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225706 representing NM_080615 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGCCAGCTTCGAGCCACAAAGTCTGGACTTGTCTGAGGGCAGTCATTTGCATCTTCATTTTCTTT
ACTTAAGGAATCCAACCTCTGCAGAAATCAGAAGAAGAACCTGCCAACCAGAAAGTAGTAGAATGTGGCTT
TTACCCAGATGAAGTGTTCGCTTTATTTGAAGGAAAGGGCGGCCCCCAATTGCAAAATTTTGC
AAAACCCCTCATAATCTGAAATACATGCTCATTTACACACACCAGGAACTGCTCCAGGATTTCTCGGG
GGCTGCATTTTATAACCAGACCCCTGTCTGCAGAAAGAGGGCGATTCTCTTTGGCATATATTATAACTAT
TCATAAGGAGCTGGCCATGTTTGTGCAGCTTCTCAGAGCTATTTATGTACCTCAAAATGTTTATTGTATT
CATGTTGATGAAAAGGCCCAATGAAGTATAAGACTGCTGTGCAAACCTTGGTTAACTGTTTGAACG
TTTTTATTTCTCCAAGACAGAGAAGGTGGCTTATGCTGGCTTTACAAGACTACAGGCAGATATTAATTG
TATGAAAGTTCTAGTGCATTCTAAATTTCAATGGAACATGTCAATCTTTGTGGACAGGATTTTCCC
ATCAAAACCAACAGAGAAATCATACACTACATCAGAAGCAATGGAGTGATAAAATATTACTCTGGAG
TAATCCAACCATTCACATTAATCCAAGACAAGTCAAAGTCATCTCGAATTCGTTCTAAAGGAAGTAT
CTATGCACCTCCAAATAACAGATTCAAAGACAAACCCACCCATAACTTAACCATTTATTTTGAAGTGCT
TACTACTGACTTACAAGGAAGTTGTAGAGTTCATACTGACTGACATCCATGCAAAAGACATGCTTCAGT
GGTCCAAAGACATCCGACGCCAGAGCAACACTACTGGGTGACCTGAACCGACTAAAAGATGCTCCAGG
TGCTACACCAAACGCTGGCTGGGAAGGAAATGTTTCGAGCCATTAAAGCGGAAAAGTGAGGAAGGAAATGTT
CATGATGGATGTAAGGCCGCTACGTCGAAGACATCTGCGTATACGGACCAGGAGACCTGCCGTGGCTCA
TTCAGTCGCCTTCTGTGTTGCCAACAAATTCGAACCTCGACAGACCCGCTTGTTGTTACCTGCTTAGA
GCGGCGGCACAGACTTCAAGTGTGAGGCAGGCAGAAGTTCCTATAGAGCCACACTGGCATTTTCAACAG
CAGAGTCATTTCAATATGAGACTGAACCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG225706 representing NM_080615
 Red=Cloning site Green=Tags(s)

MSQLRATKSGLVVRAVICIFIFLYLRNPTAESEEEPAQPEVVECGFYPDELCSALFEGKGAAPQIAKFC
 KTPHKSEIHAHLHTPGNCSRISRGLHFITRPLSAEEDFSLAYIITIHKELAMFVQLLRAIYVPQNVYCI
 HVDEKAPMKYKTAVQTLVNCFENVFISSKTEKVAYAGFTRLQADINCMKVLVHSKFQWNYVINLCGQDFP
 IKTNREIIHYIRSKWSDKNITPGVIQPLHIKSKTSQSHLEFVPKGSYIAPPNNRFDKPPHNLTIYFGSA
 YYVLTRKFVEFILTIDHAKDMLQWSKDIRSPEQHYWVTNLRLKDAPGATPNAGWEGNVRAIKRKSEEGNV
 HDGCKGRYVEDICVYGPDLPLWLIQSPSLFANKFEPSTDPLVVTCLERRHRLQVLRQAEVPIEPHWHFQQ
 QSHFNMLNR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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.

RefSeq: [NM_080615.1](#), [NP_542182.1](#)

RefSeq Size: 2064 bp

RefSeq ORF: 1293 bp

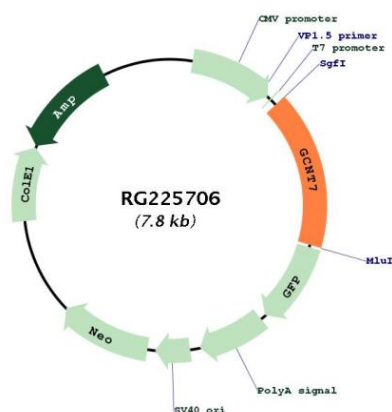
Locus ID: 140687

UniProt ID: [Q6ZNI0](#)

Cytogenetics: 20q13.31

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

Product images:



Circular map for RG225706