

Product datasheet for RC227819

C6orf140 (GLYATL3) (NM_001010904) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf140 (GLYATL3) (NM_001010904) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C6orf140
Synonyms:	bA28H17.2; C6orf140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227819 representing NM_001010904 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGGTGCTAAACTGTTCTACCAAATTACTGATACTGGAGAAAATGTTGAAGAGTTGCTTTCCTGAAT
CACTCAAGGTTTACGGAGCGGTGATGAACATAAATCGTGGGAACCCCTTCAAAGGAAGTGGTGTGGA
TTCATGGCCGGATTTCAAAGCTGTTATCACCCGACGACAAAGAGAGGCTGAGACAGATAACCTTGATCAT
TATACTAATGCCTATGCTGTGTTCTACAAGGATGTCAGGGCTTATCGACAGCTATTGGAAGAATGTGATG
TTTTTAACTGGGACCAAGTTTTTCAAATACAAGGGCTGCAGAGTGAGTTATATGATGTTTCAAAGCGGT
TGCCAATCAAAGCAGTTGAATATAAAGCTAATTCCTTCAAGGCTGTTCATTTTCTCCTGTTTCATCT
CTGCCAGATACAGTTTTCTCAAGGGGCTTCCCCACGACTAACCTACCTGAGTGTGCCAATGCGGATC
TACTCAACCGGACTTGGTCCCGGGGAGGCAATGAACAATGTCTCCGGTACATCGCCAACCTCATCTCCTG
CTTCCCTAGTGTGTGTGTCGGGATGAGAAGGGAACCCGGTCTCCTGGTCCATCACAGACCAGTTTGCC
ACCATGTGCCATGGCTACACCCTGCCAGAACATCGCAGGAAAGGTTACAGCCGGCTGGTGGCCCTCACGC
TGGCCAGGAAGTTGCAAAGCCGGGATTTCCCTCTCAGGGGAACGTCCTGGATGACAACACGGCGTCTAT
AAGCCTCTGAAGAGTCTCCATGCTGAGTCTTGCCTTGTGCTTCCACAGGCTTATTCTCACCCCTGCC
ACTTCTCTGGCCTGCCTCACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC227819 representing NM_001010904
Red=Cloning site Green=Tags(s)

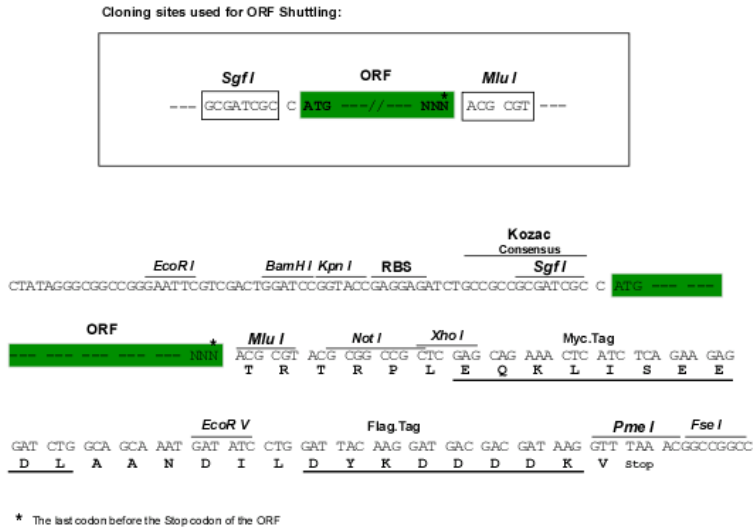
MLVLNCSTKLLILEKMLKSCFPESLKVYGAVMNIINRGPNPFQKEVVLDSWPDFKAVITRRQREAETDNLDH
 YTNAYAVFYKDVRAIRQLLEECDVFNWDQVFQIQGLQSELYDVKAVANSKQLNIKLTFSKAVHFSVPVSS
 LPDTSFLKGPSRLTYLSVANADLLNRTWSRGGNEQCLRYIANLISCFPSVVCVRDEKGNPVSWISITDQFA
 TMCHGYTLPEHRRKGYSRLVALTLARKLQSRGFPSQGNVLDNTASISLLKSLHAEFLPCRFRHLILTPA
 TFSGLPHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8037_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001010904

ORF Size: 864 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_001010904.2](#)

RefSeq ORF: 867 bp

Locus ID: 389396

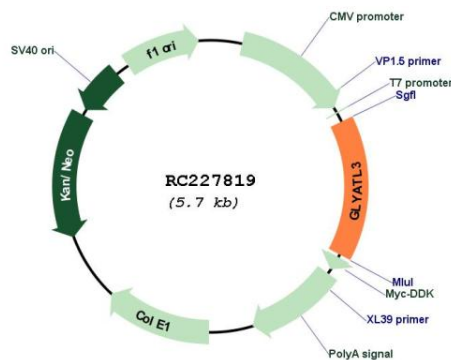
UniProt ID: [Q5SZD4](#)

Cytogenetics: 6p12.3

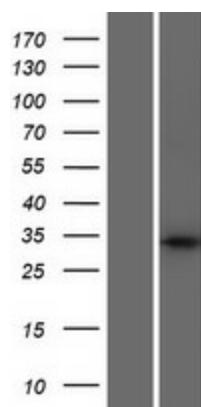
MW: 32.5 kDa

Gene Summary: Catalyzes the conjugation of long-chain fatty acyl-CoA thioester and glycine to produce long-chain N-(fatty acyl)glycine, an intermediate in the primary fatty acid amide biosynthetic pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227819



Western blot validation of overexpression lysate (Cat# [LY425285]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227819 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).