

Product datasheet for **RG237498**

C1orf85 (GLMP) (NM_001256608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf85 (GLMP) (NM_001256608) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1orf85
Synonyms:	C1orf85; NCU-G1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237498 representing NM_001256608. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGCGGCTCTGTGGAGTGACCTGGGGTGGGGGCACTGTGCCCCAGCCCCCTGCTCCTTTGGACT
CTACTTCTGTTTGCAGCCCCATTTGGCCTGCTGGGGGAGAAGACCCGCCAGGTGTCTCTGGAGGTCATC
CCTAACTGGCTGGGCCCCCTGCAGAACCTGCTTCATATACGGGCAGTGGGCACCAATTCCACACTGCAC
TATGTGTGGAGCAGCCTGGGGCCTCTGGCAGTGGTAATGGTGGCCACCAACCCCCACAGCACCCCTG
AGCGTCAACTGGAGCCTCTGCTATCCCCTGAGCCGATGGGGCCTGATGGTGTCCCTAAGGACAGC
ATTGAGTTTTCTTCTGCCCTTGTGGTACCAGGCTGCTTGAGTTTGACAGCACCAACGTGTCCGATACG
GCAGCAAAGCCTTTGGGAAGACCATATCCTCCATCTCCTTGGCCGATTTCTCTTGAACAACATCACT
GATTCATTGGATCCTGCCACCCTGAGTGCCACATTTCAAGGCCACCCCATGAACGACCCTACCAGGACT
TTTGCCAATGGCAGCCTGGCCTTCAGGGTCCAGGCCTTTTCCAGGTCCAGCCGACCCAGCCCAACCCCT
CGCCTCTGCACACAGCAGACACCTGTCAGCTAGAGGTGGCCCTGATTGGAGCCTCTCCCGGGGAAAC
CGTTCCCTGTTTGGGCTGGAGGTAGCCACATTTGGGCCAGGGCCCTGACTGCCCTCAATGCAGGAGCAG
CACTCCATCGACGATGAATATGCACCGCCGCTCTCCAGGTGATGCTCCTGGGTGTGGGCTTCCCTCC
AGTGGACGGCTTGTCCCCACTAGTCTGGGCATCATGGCAGTGGCCCTGGGTGCCCCAGGGCTCATGCT
GCTAGGGGGCGGCTTGGTTCTGCTGCTGCACCACAAGAAGTACTCAGAGTACCAGTCCATAAATTAAGG
CCCGCTCTGGAGGGAAGGACATTAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237498
 Blue=ORF Red=Cloning site Green=Tag(s)

M R G S V E C T W G W G H C A P S P L L L W T L L L F A A P F G L L G E K T R Q V S L E V I P N W L G P L Q N L L H I R A V G T N S T L H
 Y W S S L G P L A V M V A T N T P H S T L S V N W S L L L S P E P D G G L M V L P K D S I Q F S S A L V F T R L L E F D S T N V S D T
 A A K P L G R P Y P P Y S L A D F S W N N I T D S L D P A T L S A T F Q G H P M N D P T R T F A N G S L A F R V Q A F S R S S R P A Q P P
 R L L H T A D T C Q L E V A L I G A S P R G N R S L F G L E V A T L G Q P D C P S M Q E Q H S I D D E Y A P A V F Q V D A P G C G L P S
 S G R L V P T S P G H H G S G P G C P R A H A A R G R L G S A A A P Q E V L R V P V H K L R P A L W R E G H Y
 T R T R P L E M E S D E S G L P A M E I E C R I T G T L N G V E F E L V G G G E G T P E Q G R M T N K M K S T K G A L T F S P Y L L S H V
 M G Y G F Y H F G T Y P S G Y E N P F L H A I N N G G Y T N T R I E K Y E D G G V L H V S F S Y R Y E A G R V I G D F K V M G T G F P E D
 S V I F T D K I I R S N A T V E H L H P M G D N D L D G S F T R T F S L R D G G Y S S V V D S H M H F K S A I H P S I L Q N G G P M F A
 F R R V E E D H S N T E L G I V E Y Q H A F K T P D A D A G E E R V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256608

ORF Size: 993 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).

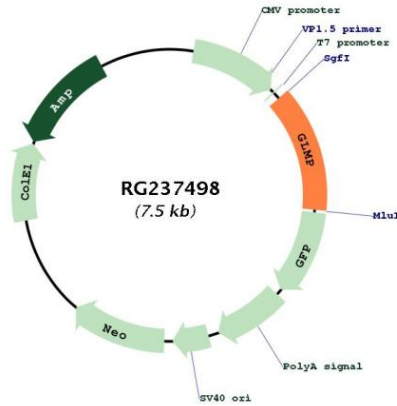
RefSeq: [NM_001256608.1](#), [NP_001243537.1](#)

RefSeq Size: 1373 bp

RefSeq ORF: 996 bp

Locus ID: 112770
Cytogenetics: 1q22
Protein Families: Transmembrane
MW: 36 kDa
Gene Summary: Required to protect lysosomal transporter MFSD1 from lysosomal proteolysis and for MFSD1 lysosomal localization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG237498