

## Product datasheet for **RC237498**

### **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:	Myc-DDK
Symbol:	GLMP
Synonyms:	C1orf85; NCU-G1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237498 representing NM_001256608 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCGCGGCTCTGTGGAGTGCACCTGGGGTTGGGGCACTGTGCCCCAGCCCCCTGCTCCTTTGGACTC  
TACTTCTGTTTGCAGCCCCATTTGGCCTGCTGGGGGAGAAGACCCGCCAGGTGTCTCTGGAGGTCATCCC  
TAACTGGCTGGGCCCCCTGCAGAACCTGCTTCATATACGGGCAGTGGGCACCAATCCACACTGCACTAT  
GTGTGGAGCAGCCTGGGGCCTCTGGCAGTGGTAATGGTGGCCACCAACACCCCCACAGCACCTGAGCG  
TCAACTGGAGCCTCCTGTATCCCTGAGCCCGATGGGGCCTGATGGTGTCCCTAAGGACAGCATTCA  
GTTTTCTCTGCCTTGTTTTACCAGGCTGCTTGAGTTTGACAGCACCAACGTGTCCGATACGGCAGCA  
AAGCCTTTGGGAAGACCATATCTCCATACTCCTTGCCGATTTCTCTTGGAAACAACATCACTGATTCAT  
TGGATCCTGCCACCCTGAGTGCCACATTTCAAGGCCACCCCATGAACGACCCTACCAGGACTTTTGCCAA  
TGGCAGCCTGGCCTTCAGGGTCCAGGCCTTTTCCAGGTCCAGCCGACCAGCCCAACCCCTCGCCTCCTG  
CACACAGCAGACACCTGTCAGCTAGAGGTGGCCCTGATTGGAGCCTCTCCCGGGGAAACCGTTCCCTGT  
TTGGGCTGGAGGTAGCCACATTGGGCCAGGGCCCTGACTGCCCTCAATGCAGGAGCAGCACTCCATCGA  
CGATGAATATGCACCGGCCGTCTCCAGGTGATGCTCCTGGGTGTGGGCTTCCCTCCAGTGGACGGCTT  
GTCCCCACTAGTCTGGGCATCATGGCAGTGGCCCTGGGTGCCCCAGGGCTCATGCTGCTAGGGGGCGGC  
TTGGTTCTGCTGCTGCACCAAGAAGTACTCAGAGTACCAGTCCATAAATTAAGGCCCGCTCTCTGGAG  
GGAAGGACATTAC

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237498 representing NM\_001256608  
 Red=Cloning site Green=Tags(s)

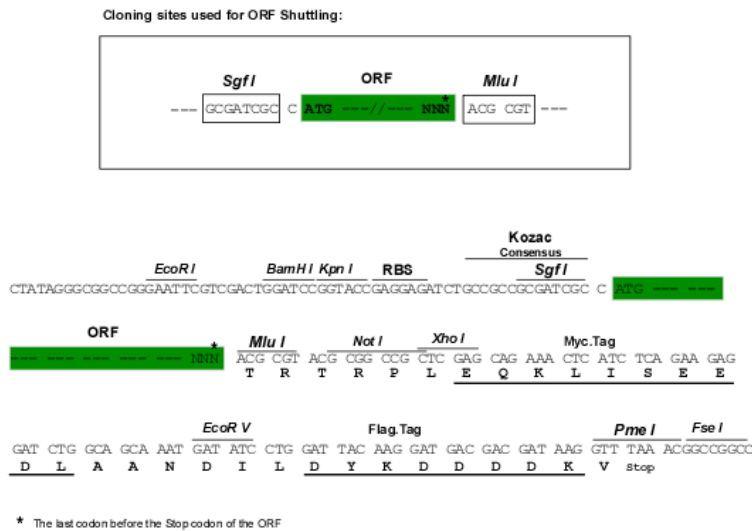
MRGSVECTWGWGHCAPSPLLLWTLFFFAPFGLLGEKTRQVSLEVIPNWLGPLQNLHIRAVGTNSTLHY  
 VWSSLGPLAVVMVATNTPHSTLSVNWSLLLSPDPDGLMVLPKDSIQFSSALVFRLLLEFDSTNVSDTAA  
 KPLGRPYPPYSLADF SWNNITDSLDPATLSATFQGHMNDPTRTFANGSLAFRVQAFSRSSRPAQPRL  
 HTADTCQLEVALIGASPRGNRSLFGLLEVATLGGQPDPCSMQEQHSIDDEYAPAVFQVDAPGCGLPSSGRL  
 VPTSPGHHGSGPCPRAHAARGRLGSAAPQEVLRVPVHKLRLPALWREGHY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

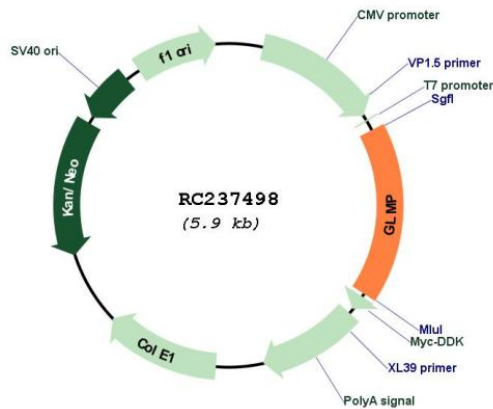
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001256608

**ORF Size:** 993 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001256608.1</a> , <a href="#">NP_001243537.1</a>
<b>RefSeq Size:</b>	1373 bp
<b>RefSeq ORF:</b>	996 bp
<b>Locus ID:</b>	112770
<b>Cytogenetics:</b>	1q22
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	36 kDa
<b>Gene Summary:</b>	Required to protect lysosomal transporter MFSD1 from lysosomal proteolysis and for MFSD1 lysosomal localization.[UniProtKB/Swiss-Prot Function]