

## Product datasheet for **RG205863**

### C1orf85 (GLMP) (NM\_144580) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C1orf85 (GLMP) (NM\_144580) 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:** >RG205863 representing NM\_144580  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGCGGCTCTGTGGAGTGCACCTGGGGTTGGGGCACTGTGCCCCAGCCCCCTGCTCCTTTGGACTC  
 TACTTCTGTTGCAGCCCCATTTGGCCTGCTGGGGGAGAAGACCCGCCAGGTGTCTCTGGAGGTCATCCC  
 TAACTGGCTGGGCCCCGCAGAACCTGCTTCATACGGGCAGTGGGCACCAATCCACACTGCACTAT  
 GTGTGGAGCAGCCTGGGCTCTGGCAGTGGTAATGGTGGCCACCAACACCCCCACAGCACCTGAGCG  
 TCAACTGGAGCCTCCTGCTATCCCTGAGCCCGATGGGGCCTGATGGTGTCCCTAAGGACAGCATTCA  
 GTTTCTTCTGCCCTTGTTTTACCAGGCTGCTTGAGTTTGACAGCACCAACGTGTCCGATACGGCAGCA  
 AAGCCTTTGGGAAGACCATATCCTCCATACTCCTTGCCGATTTCTCTTGAACAACATCACTGATTCAT  
 TGGATCCTGCCACCCTGAGTGCCACATTTCAAGGCCACCCCATGAACGACCCCTACCAGGACTTTTGCCAA  
 TGGCAGCCTGGCCTTCAGGGTCCAGGCCTTTCCAGGTCCAGCCGACCAGCCCAACCCCCCTGCCTCCTG  
 CACACAGCAGACACCTGTAGCTAGAGGTGGCCCTGATTGGAGCCTCTCCCCGGGAAACCGTTCCCTGT  
 TTGGGCTGGAGGTAGCCACATTTGGGCCAGGGCCCTGACTGCCCTCAATGCAGGAGCAGCACTCCATCGA  
 CGATGAATATGCACCGGCCGTCTCCAGTTGGACCAGCTACTGTGGGGCTCCCTCCCATCAGGCTTTGCA  
 CAGTGGCGACCAGTGGCTTACTCCAGAAGCCGGGGGCCGAGAATCAGCCCTGCCCTGCCAAGCTTCCC  
 CTCTTCATCCTGCCTTAGCATACTCTTCCCCAGTCACCCATTGTCCGAGCCTTCTTTGGGTCCCAGAA  
 TAACTTCTGTGCCTTCAATCTGACGTTCCGGGGTTCACAGGCCCTGGCTATTGGGACCAACACTACCTC  
 AGCTGGTCGATGCTCCTGGGTGTGGGCTTCCCTCCAGTGGACGGCTTGTCCCACTAGTCTGGGCATCA  
 TGGCAGTGGCCCTGGGTGCCCGAGGCTCATGCTGCTAGGGGGCGGCTTGGTTCTGCTGCTGCACCACAA  
 GAAGTACTCAGAGTACCAGTCCATAAAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205863 representing NM\_144580  
 Red=Cloning site Green=Tags(s)

MRGSVECTWGWGHCAPSPLLLWTLFFFAPFGLLGEKTRQVSLEVIPNWLGPLQNLLHIRAVGTNSTLHY  
 VWSSLGPLAVVMVATNTPHSTLSVNWSLLLSPDPDGLMVLPKDSIQFSSALVFTRLLEFDSTNVSDTAA  
 KPLGRPYPPYSLADFSWNNITDSLDPATLSATFQGHMNDPTRTFANGSLAFRVQAFSRSSRPAQPPRLL  
 HTADTCQLEVALIGASPRGNRSLFGLEVATLGGQPDPCSMQEQHSIDDEYAPAVFQLDQLLWGLSPSGFA  
 QWRPVAYSQKPGGRESALPCQASPLHPALAYSLSLPQSPIVRAFFGSEQNNFCANLTFGASTGPGYWDQHLY  
 SWSMLLVGVFPPVDGLSPLVVLGIMAVALGAPGLMLLGGGLVLLLHHKKYSEYQSIN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_144580

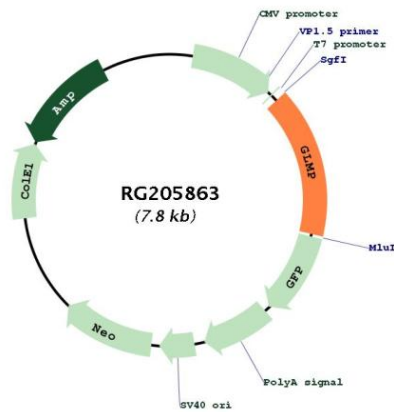
**ORF Size:** 1218 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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>	<u>NM_144580.3</u>
<b>RefSeq Size:</b>	1630 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	112770
<b>UniProt ID:</b>	<u>Q8WWB7</u>
<b>Cytogenetics:</b>	1q22
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Required to protect lysosomal transporter MFSD1 from lysosomal proteolysis and for MFSD1 lysosomal localization.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for RG205863