

## Product datasheet for **RG237424**

### **C1orf85 (GLMP) (NM\_001256605) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf85 (GLMP) (NM_001256605) 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:	>RG237424 representing NM_001256605. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGCGGCTCTGTGGAGTGACCTGGGGTTGGGGGCACTGTGCCCCAGCCCCCTGCTCCTTTGGACT
CTACTTCTGTTTGCAGCCCCATTTGGCCTGCTGGGGGAGAAGACCCGCCAGCTGCTTGAGTTTGACAGC
ACCAACGTGTCCGATACGGCAGCAAAGCCTTTGGGAAGACCATATCCTCCATACTCCTTGGCCGATTTT
TCTTGGAAACAACATCACTGATTCATTGGATCCTGCCACCCTGAGTGCCACATTTCAAGGCCACCCCATG
AACGACCCTACCAGGACTTTTGCCAATGGCAGCCTGGCCTTCAGGGTCCAGGCCTTTCCAGGTCCAGC
CGACCAGCCAAACCCCTCGCCTCCTGCACACAGCAGACACCTGTGAGTGTAGAGGTGGCCCTGATTGGA
GCCTCTCCCCGGGAAACCGTTCCTGTTTGGGCTGGAGGTAGCCACATTGGGCCAGGGCCCTGACTGC
CCCTCAATGCAGGAGCAGCACTCCATCGACGATGAATATGCACCGGCCGTCTTCCAGTTGGACCAGCTA
CTGTGGGGCTCCCTCCATCAGGCTTTGCACAGTGGCGACCAGTGGCTTACTCCCAGAAGCCGGGGGGC
CGAGAATCAGCCCTGCCCTGCCAAGCTTCCCTCTTATCCTGCCTTAGCATACTCTTCCCCAGTCA
CCCATTGTCCGAGCCTTCTTTGGGTCCCAGAATAACTTCTGTGCCTTCAATCTGACGTTCCGGGGCTTCC
ACAGGCCCTGGCTATTGGGACCAACACTACCTCAGCTGGTCGATGCTCCTGGGTGTTGGGCTTCCCTCCA
GTGGACGGCTTGTCCCCTAGTCTGGGCATCATGGCAGTGGCCCTGGGTGCCCCAGGGCTCATGCTG
CTAGGGGGCGGCTTGGTTCTGCTGCTGCACCACAAGAAGTACTCAGAGTACCAGTCCATAAAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237424  
 Blue=ORF Red=Cloning site Green=Tag(s)

MRGSVECTWGWGHCAPSPLLLWTLFFFAPFGLLGEKTRQLLEFDSTNVSDTAAPLGRPYPPYSLADF  
 SWNNITDSLDPATLSATFQGHMNDPTRTFANGSLAFRVQAFSRSSRPAQPPRLHLHTADTCQLEVALIG  
 ASPRGNRSLFGLLEVATLGGQDPCPSMQEQHSIDDEYAPAVFQLDQLLWGSLSGFAQWRPVAYSQKPGG  
 RESALPCQASPLHPALAYSLLPQSPIVRAFFGSQNNFCANLTFGASTGPGYWDQHYLSWSMLLGVGFPP  
 VDGLSPLVLGIMAVALGAPGLMLLGGGLVLLLHHKKYSEYQSIN  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001256605

**ORF Size:** 960 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.

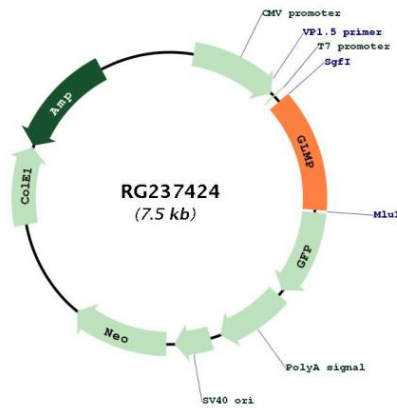
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001256605.1](#), [NP\\_001243534.1](#)

**RefSeq Size:** 1372 bp

**RefSeq ORF:** 963 bp

Locus ID:	112770
Cytogenetics:	1q22
Protein Families:	Transmembrane
MW:	35 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 RG237424