

Product datasheet for **RG237692**

C1orf85 (GLMP) (NM_001256604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf85 (GLMP) (NM_001256604) 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:	>RG237692 representing NM_001256604. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCGCGGCTCTGTGGAGTGACCTGGGGTTGGGGCACTGTGCCCCAGCCCCCTGCTCCTTTGGACT
CTACTTCTGTTTGCAGCCCCATTTGGCCTGCTGGGGGAGAAGACCCGCCAGGTGTCTCTGGAGGTCATC
CCTAACTGGCTGGGCCCCCTGCAGAACCTGCTTCATATACGGGCAGTGGGCACCAATTCCACACTGCAC
TATGTGTGGAGCAGCCTGGGGCCTCTGGCAGTGGTAATGGTGGCCACCAACCCCCACAGCACCCCTG
AGCGTCAACTGGAGCCTCTGCTATCCCCTGAGCCGATGGGGCCTGATGGTGTCCCTAAGGACAGC
ATTCAGTTTTCTTCTGCCCTTGT TTTTACCAGGCTGCTTGAGTTTGACAGCACCAACGTGTCCGATACG
GCAGCAAAGCCTTTGGGAAGACCATATCCTCCATACTCCTTGGCCGATTTCTCTTGAACAACATCACT
GATTCATTGGATCCTGCCACCCTGAGTGCCACATTTCAAGGCCACCCCATGAACGACCCTACCAGGACT
TTTGCCAATGGCAGCCTGGCCTTCAGGGTCCAGGCCTTTTCCAGGTCCAGCCGACCCAGCCCAACCCCT
CGCCTCTGCACACAGCAGACACCTGTCAGCTAGAGGTGGCCCTGATTGGAGCCTCTCCCCGGGAAAC
CGTTCCCTGTTTGGGCTGGAGGTAGCCACATTTGGGCCAGGGCCCTGACTGCCCTCAATGCAGGAGCAG
CACTCCATCGACGATGAATATGCACCGCCGCTCTCCAGTCACCCATTGTCCGAGCCTTCTTTGGGTCC
CAGAATAACTTCTGTGCCTTCAATCTGACGTTCCGGGCTTCCACAGGCCCTGGCTATTGGGACCAACAC
TACCTCAGCTGGTCGATGCTCCTGGGTGTGGCTTCCCTCCAGTGGACGGCTTGTCCCCTACTAGTCCTG
GGCATCATGGCAGTGGCCCTGGGTGCCCAAGGGCTCATGCTGCTAGGGGGCGGCTTGGTTCTGCTGCTG
CACCACAAGAAGTACTCAGAGTACCAGTCCATAAAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237692
 Blue=ORF Red=Cloning site Green=Tag(s)

MRGSVECTWGWGHCAPSPLLLWTLFFFAPFGLLGEKTRQVSLEVIPNWLGPLQNLLHIRAVGTNSTLH
 YVWSSLGPLAVVMVATNTPHSTLSVNWSLLLSPDPDGLMVLPKDSIQFSSALVFTRLLEFDSTNVS
 AAKPLGRPYPPYSLADF SWNNITDSLDPATLSATFQGHMNDPRTFANGSLAFRVQAFSRSSRPAQPP
 RLLHTADTCQLEVALIGASPRGNRSLFGLLEVATLGGPDPCSMQEQHSIDDEYAPAVFQSPIVRAFFGS
 QNNFCANLTFGASTGPGYWDQHYLSWSMLLVGVFPPVDGLSPLVLGIMAVALGAPGLMLLGGGLVLLL
 HHKKYSEYQ~~SI~~N
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256604

ORF Size: 1071 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.

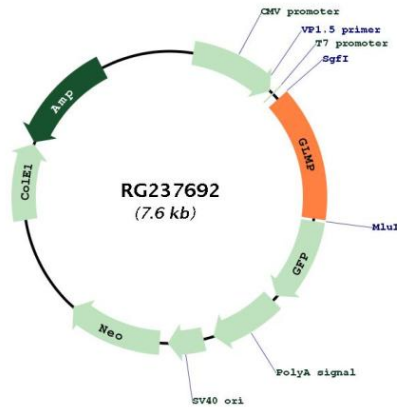
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001256604.1](#), [NP_001243533.1](#)

RefSeq Size: 1483 bp

RefSeq ORF: 1074 bp
 Locus ID: 112770
 Cytogenetics: 1q22
 Protein Families: Transmembrane
 MW: 39 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 RG237692