

Product datasheet for **RC237424**

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:	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:	>RC237424 representing NM_001256605 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGCGGCTCTGTGGAGTGCACCTGGGGTTGGGGCACTGTGCCCCAGCCCCCTGCTCCTTTGGACTC
TACTTCTGTTTGCAGCCCCATTTGGCCTGCTGGGGGAGAAGCCCGCCAGCTGCTTGAGTTTGACAGCAC
CAACGTGTCCGATACGGCAGCAAAGCCTTTGGGAAGACCATATCCTCCATACTCCTTGCCGATTTCTCT
TGGAAACAATCACTGATTCATTGGATCCTGCCACCCTGAGTGCCACATTTCAAGGCCACCCCATGAACG
ACCCTACCAGGACTTTTGCCAATGGCAGCCTGGCCTTCAGGGTCCAGGCCTTTTCCAGGTCCAGCCGACC
AGCCCAACCCCTCGCCTCCTGCACACAGCAGACACCTGTGAGTCCAGGTGGCCCTGATTGGAGCCTCT
CCCCGGGGAAACCGTTCCCTGTTTGGGCTGGAGGTAGCCACATTTGGGCCAGGGCCCTGACTGCCCTCAA
TGCAGGAGCAGCACTCCATCGACGATGAATATGCACCGGCCGCTTCCAGTTGGACCAGCTACTGTGGG
CTCCCTCCCATCAGGCTTTGCACAGTGGCAGCAGTGGCTTACTCCAGAAGCCGGGGGGCCGAGAATCA
GACCTTCTTTGGGTCCAGAATAACTTCTGTGCCTTCAATCTGACGTTCCGGGGCTTCCACAGCCCTGG
CTATTGGGACCAACTACCTCAGCTGGTGGTGGTCTCCTGGGTGGGGCTTCCCTCCAGTGGACGGCTTG
TCCCCACTAGTCTGGGCATCATGGCAGTGGCCCTGGGTGCCCGAGGCTCATGCTGCTAGGGGGCGGCT
TGGTTCTGCTGCTGCACCACAAGAAGTACTCAGAGTACCAGTCCATAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237424 representing NM_001256605
Red=Cloning site Green=Tags(s)

MRGSVECTWGWGHCAPSPLLLWTLFFFAPFGLLGEKTRQLLEFDSTNVSDTAAPLGRPYPPYSLADFS
 WNNITDSLDPATLSATFQGHMNDPTRTFANGSLAFRVQAFSRSSRPAQPPRLLHTADTCQLEVALIGAS
 PRGNRSLFGLEVATLGGQPDPCSMQEQHSIDDEYAPAVFQLDQLLWGLSPSGFAQWRPVAYSQKPGGRES
 ALPCQASPLHPALAYSLPQSPIVRAFFGSQNNFCANLTFGASTGPGYWDQHYLSWSMLLGVGFPPVDGL
 SPLVLGIMAVALGAPGLMLLGGGLVLLLHHKKYSEYQSIN

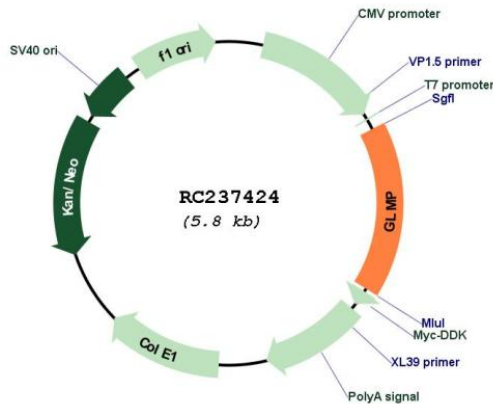
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
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]