

## Product datasheet for RN206523

### Glmp (NM\_001004226) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glmp (NM_001004226) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Glmp
Synonyms:	0610031j06rik; RGD1303130
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206523 representing NM_001004226 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTACGCTGTTGGGGACCTCACTGGGGCTGGGTCCCCTGGGCCCAACCCCATGGCTCCTTTTGAGTC  
TACTTGTGTGTACAGTTCATTTGGCCTGCTAGGAGAAGAGACTCGCCAGGTATCTATGGAAGTTATTTT  
TGGCTGGCCAAATCCCCAGAACCTGCTTCATATCCGGGCAGTGGGCAGCAACTCTACCCTGCACTATGTG  
TGGAGCAGCTGGGGCCTCCAGCTGTGGTCTGGTGGCCACCAACACCACTCAGAGTGTCTGAATGTC  
ACTGGAGTCTCTGCTGTCTCTGATCCTGCTGGGGCCCTGATGGTGTCTCCCAAGAACAGCATTAGTT  
TTCTTCCGCTCTGTCTTACCAGGCTGCTTGTAGTTTGACAGCACC AATGTGTCAGAGGGGACACAGCCC  
CCAGGAAAGCCATACCCTCCGACTCCTTGGCCAAGTTCTCTGGAACAATGTCACCAACTCATTGGATC  
TTGCCACCCTGAGTGCCATCTTTGAGGCCACCCTGTAGATGACCCTACTGGAGCATTGGCAATGGCAG  
CCTGACCTTCAAGGTCCAGGCCCTTTCTAGATCTGGTCGACCTGCCAGCCCCCTCGCCTCTGCACACA  
GCCGATGTCTGCCAGGTAGAAGTGGCCCTGGTTGGAGCTTCTCTCGTGGAAACCACTCCCTATTTGGTC  
TAGAGGTAGCCACCTTGGGACAGGGCCCCGACTGCCCTCAGTGAACGAACAGGACTCCATCGATGATGA  
GTACGCACCTGCTGTCTCCAGCTGAACCGTTGCTGTGGGGCTTTACCGTCTGGCTTCATGCAATGG  
CGGCCAGTGGCTTTCTCAGGAGCAGCGGGCCGAGAATCTGCCCTCGCCTGCCAGGCTTCTGCTCTTC  
ACCCACCTTGGCATATCTCTCCCTCATTACCAATTGTTCAAGCCTTCTTTGGGTCCCAGAACAATT  
CTGTGCCCTTCAACTGACCTTTGGGGCTCCACAGGCCCTGGCTACTGGGATCAACACTACCTTTGCTGG  
TCAATGCTTCTGGGCATAGGCTTCCCTCCAGTAGATTCTTCTCTCCACTAGTCTCGGAATCATGGCGG  
TAGCCCTGGGAGCTCCAGGACTCATGTTCTCGGGGGAGGCCATTTCTGCTGCTGCGCCACAAGCAGTA  
TTCTGAGTACCAGTCCATAAAT**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001004226
<b>Insert Size:</b>	1215 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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><a href="#">NM_001004226.1</a></u> , <u><a href="#">NP_001004226.1</a></u>
<b>RefSeq Size:</b>	1598 bp
<b>RefSeq ORF:</b>	1215 bp
<b>Locus ID:</b>	295231
<b>UniProt ID:</b>	<u><a href="#">Q68FV6</a></u>
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	Required to protect lysosomal transporter MFSD1 from lysosomal proteolysis and for MFSD1 lysosomal localization.[UniProtKB/Swiss-Prot Function]