

## Product datasheet for **MC206461**

### Gabarapl1 (BC004602) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gabarapl1 (BC004602) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gabarapl1
Synonyms:	MNCb-0091, GECI, Apg8l
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC004602

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CAGGCCGCGAGATCTCCAGGTCCTTCTCTGGACGTTTAGCCACGTATGCGGCGACTGGCGGTGGGAGCT
GACGCGGGTGGAGCGATTGTGATAAGGCTGACATTGACTGGGGTGGCCAGACGCGAGACGAGTCATCA
GCGCGCGCAGCAGGCCCGTCCGGGAGCCCTACATCCTGAGGTCCATCATGAAGTTCCAGTATAAGGA
GGACCACCCCTTCGAGTATCGGAAAAAGGAAGGTGAAAAGATTAGGAAGAATAACCCGGACCGGGTGCCG
GTCATCGTGGAGAAGGCTCCTAAAGCCAGGGTCCCTGATCTGGATAAGAGGAAGTACCTTGTGCCCTCCG
ACCTCACTGTTGGCCAGTCTACTTCTTAATCCGGAAGAGGATCCACCTGAGACCTGAGGACGCCTTATT
CTTCTTTGTCAACAACACCATCCCTCCCACCAAGTGTACCATGGGCCAGCTGTATGAGGACAACCACGAG
GAAGACTATTTTCTGTATGTGGCTACAGTGATGAAAGTGTCTATGGAAAATGAGGCAGAAGCCCAGCAG
ATGGGAGCACCTGGACTTGGGGTGGGGAGGGTGCCTGTTGGGACTTGGGAACCAGAGGGAGGGCTCC
CAACCATGGAGGAGACGCAAGGTGAAGACATCGGGAACATCACACCGCACACGCTGTCGTCTTTTTTTC
ACAAGCTCAATTGTTACTTTTCTGCTTCTCAGCCAGGAAGAACTTGTGTTGCATTGGCTGTGAGAG
CGGGATGGGGACGACATGAATCACAGCTTGTGTGAGCTTCTCTCGTGCAGTTTCATCAGAGTTTGG
GAGGAGGGCAGGTGGCCGCTAGAGAAGAAATAAATTTAGCAGCAACTGCCGGCTCTTTGGGCAGAGGTTT
GATTTTTGGCATTGTACAAGCCGACGGGCAAAGGGGAAAAGAATGCCGTAGGGGACCACACCTAAGG
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ACGTTTAGAGTCCTCTTGAAAAATAGGGCCGTGCGGGAACGGTTATGATTGCCAGCGTTTTGGATGGCAT
TAAACTGGAGTTCAGGGTTGAACATGTCCTGCTCCTCATCCATAAGTACCTTGGACTTTCAGGAGCCTC
AGGATCAGTCCTCTAGCATTTCCTTACCTTTCTCATGTACAGGGCAGCGTGTCTGTGTGGAGGGTC
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ACACGCACTGCAATGCTAAGCGATGGCCAGCTGTCTCCCTCCGTGGCATCTGCTATTCAAAGAAGATGG
AGTGAGAGGGGCGCCAGAGTTTCATGGGGCTTACTCATTTCATTTAGGGACTCTGTGGGGGAG
GGGCAGGCATTGCATTCTCATGACATTTCAATTCATCTCTACCAATGAAGAGCGTCTCCCTGTTGGG
AGCAATCTGTACGTCTGTTTGTGACGTTTCTGGTACTTTGAAGTCAATGCTGTCAGGCCAGGGA
AATAAAATAATTGCTTACCTTAAAAGTCAAAAAAAAAAAAAA

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<b>Restriction Sites:</b>	EcoRI-NotI
<b>ACCN:</b>	BC004602
<b>Insert Size:</b>	354 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>	<a href="#">BC004602</a> , <a href="#">AAH04602</a>
<b>RefSeq Size:</b>	1723 bp
<b>RefSeq ORF:</b>	354 bp
<b>Locus ID:</b>	57436
<b>Cytogenetics:</b>	6 F3
<b>Gene Summary:</b>	Ubiquitin-like modifier that increases cell-surface expression of kappa-type opioid receptor through facilitating anterograde intracellular trafficking of the receptor. Involved in formation of autophagosomal vacuoles. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation (By similarity).[UniProtKB/Swiss-Prot Function]