

Product datasheet for **RN201153**

Gabarapl1 (NM_001044294) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabarapl1 (NM_001044294) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gabarapl1
Synonyms:	Gec1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201153 representing NM_001044294 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTTCAGTATAAAGAGGACCACCCCTTCGAATATCGGAAAAGGAAGGTGAAAAATAAGGAAGA
AATACCCGGACAGGGTGCCGGTCATCGTGGAGAAGGCTCTAAAGCCAGGGTCCCGATCTGGATAAGAG
GAAGTACCTTGTGCCCTCCGACCTCACTGTTGGCCAGTTCTACTTCTTAATCCGGAAGAGGATCCACCTG
AGACCTGAGGACGCTTATTCTTTGTCAACAACACTATCCCTCCCACAGTGCTACCATGGGACAGC
TGTATGAGGACAACCATGAGGAAGACTATTTTCTGTATGTGGCTACAGTGATGAAAGTGCTACGGAA
ATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001044294
Insert Size:	354 bp
OTI Disclaimer:	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).



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:	<u>NM_001044294.1</u> , <u>NP_001037759.1</u>
RefSeq Size:	1719 bp
RefSeq ORF:	354 bp
Locus ID:	689161
UniProt ID:	<u>Q0VGK0</u>
Cytogenetics:	4q42
Gene Summary:	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]