

Product datasheet for **MG206287**

2410127L17Rik (BC092281) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 2410127L17Rik (BC092281) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 2410127L17Rik
Synonyms: 2410127L17Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206287 representing BC092281
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCGACGACAGCGCTCCGCCGCTCTCAACCGCCCAGGACGGCGGGCGAAGCGAGGACGTGG
 AGGTGCAGTTCTCCGCCGGCGTTTGGGCTCGGCCGCGCTCGGGGCCCGCGCGGGCACCAGCGGA
 GGACGAGGAGCGGCTGGAGCGGAGCACTTCTGGAAGGTCAACGCGTTCCGCTACTACGGCACCAGC
 ATGCATGAACGAGTGAACAGAACAGAAAGACAGTTTCGGTCCCTCCAGAGAACCAGCAGAACTGCTTC
 CTCAGTTTCTCTCACTTGGACAAGATCCGAAATGCATTGACCATAATCAGGAAATCTGCTGACCAT
 TGTGAATGATTGCATACATATGTTTCGAAAATAAAGAATATGGAGAAGATGCCAATGGAAAGATTATGCCA
 GCATCTACATTTGACATGGATAAGTTAAAATCTCACTGAAACAGTTTGTAAAGAGACTGGAGTGAGACCG
 GGAAAGCAGAAAGGGACGCTGTATAAGCCAATCATTAAAGAGATTATCAAAAATTTCCAAAAGGAGAG
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 ATGCTAGGTTATGCTTGTCAAGGAAATGAATGGAGTTTTTTATGCTCTTTTCTTCCAACTTTGTACTCA
 ACAGATGTTCCGAAATTAACAAATATAAACTTTATCCCTGGATCCATCAGTTTAGCAATAATCGGAGATC
 AGCTGATCAGATCCGACCATTTCTTTCCCTGATGTTGACCCACAGTCTTCTCTCTGGTCTAACTTT
 TCCATGACAGCAGGAGACTTTCAGGAGATTTACTCTGAATGCAATGCCTGGGACTGATTGCCACCTGTT
 TCTTCATAGACACAGCTCACAATGTAATTGATTATATTGATACGATATGGAGAATACTCAAGCCAGGTGG
 AATCTGGATAAATCTTGGTCTCTACTATACCATTTTGAATACTGGCAAATGAACTGTCTATAGAATTG
 AGCTATGAGGATATAAAAATGTTGTTCTTCAGTATGGATTTTCAGCTAGAGGTGGAGAAAGAATCTGTAT
 TGTCAACATATACTGTGAATGATCTCTCTATGATGAAATACTACTATGAGTGTGTTTTGTTGTGGTCCG
 GAAGCCACAA

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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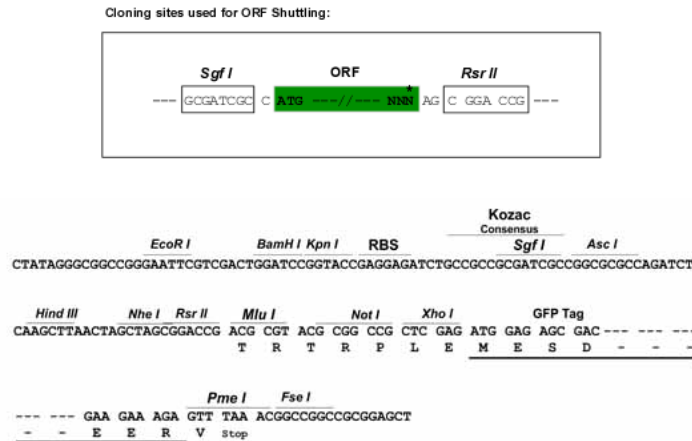
Protein Sequence: >MG206287 representing BC092281
 Red=Cloning site Green=Tags(s)

MQRRQRAPPASQPAQDGGRESDVEVQFSAGRLGSAAPAGPPARGTAEDEERLEREHFWKVINAFRRYGTSMHERVNRTERQFRSLPENQQKLLPQFPLHLDKIRKCIDHNQEILLTIVNDCIHFENKEYGEDANGKIMPASTFDMDKLLKSTLKQFVRDWSSETGKAERDACYKPIIKEIKNFPKERWDPKVNILVPGAGLGRWAVEVAMLYACQGNWSFFMLFSSNFVLRNRCSEINKYKLYPWIHQFSNNRRSADQIRPILFPDVPDPSLPPGSNFSMTAGDFQEIYSECNADCIAATCFIDTAHNVIDYIDTIWRILKPGGIWINLGPLLYHFENLANELSIELSYEDIKNVVLQYGFQLEVEKESVLSITYVNDLSMMKYYYECVLFVVRKPKQ

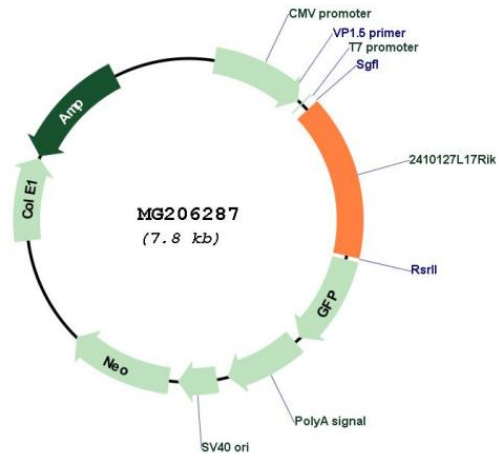
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: BC092281

ORF Size:	1202 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:	BC092281 , AAH92281
RefSeq Size:	1485 bp
RefSeq ORF:	1202 bp
Locus ID:	67383
Cytogenetics:	19
Gene Summary:	N-methyltransferase that mediates the formation of anserine (beta-alanyl-N(Pi)-methyl-L-histidine) from carnosine. Anserine, a methylated derivative of carnosine (beta-alanyl-L-histidine), is an abundant constituent of vertebrate skeletal muscles. Also methylates other L-histidine-containing di- and tripeptides such as Gly-Gly-His, Gly-His and homocarnosine (GABA-His).[UniProtKB/Swiss-Prot Function]