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Product datasheet for MG206948

Cckar (NM_009827) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cckar (NM_009827) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cckar
Synonyms:	AW106902
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG206948 representing NM_009827
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGTGGTCGACAGCCTTCTTATGAATGGGAGCAACATCACTCCCCCCTGTGAACTCGGGCTGGAAA
ATGAGACGCTTTTCTGCCTGGATCAACCTCAGCCTTCAAAAGAATGGCAGTCTGCAGTGCAGATTCTCCT
GTACTCCTTCATATTCCTTCTCAGTGTGCTGGGGAACACGCTGGTTATCACGGTGCTGATTCGAAACAAG
AGGATGCGGACTGTCACCAACATCTTCCTGCTGTCCCTGGCTGTCAGTGACCTCATGCTTTGCCTCTTCT
GCATGCCGTTCAACCTCATCCCCAACCTGCTCAAGGATTTCATCTTCGGAAGTGCCGTGTGCAAGACTAC
CACCTACTTCATGGGCACTTCCGTGAGTGTTTCCACCTTCAACCTGGTAGCCATCTCTCTGGAGAGATAC
GGTGCCATCTGCAGACCCCTACAATCCCGCGTCTGGCAAACAAAGTCCCATGCTTTGAAGGTCATCGCTG
CCACCTGGTGCCTCTCCTTTACCATCATGACTCCGTACCCCATTTACAGCAACTTGGTGCCTTTTACTAA
AAACAATAACCAGACGGCGAACATGTGCCGCTTCCTGTTGCCAAGTGACGCTATGCAGCAGTCCTGGCAA
ACATTCCTGCTACTCATCCTCTTCCTTATCCCTGGGGTTGTGATGGTGGTGGCTTATGGACTCATCTCTC
TGGAACTCTACCAAGGAATCAAATTTGATGCCAGCCAGAAGAAATCTGCTAAAGAGAAGAGGCTAAGCAG
CGGCGGCGGCGGTGGCGGCGGTAGCAGCAGCAGCCGATACGAGGATAGCGATGGCTGTTACTTGCAGAAA
TCCAGGCCTCCAAGGAAGCTAGAGCTGCAGCAGCTGTCAACCAGCAGCAGTGGTGGCAGAATCAACCGGA
TCAGGAGCAGTGGTTCTGCTGCCAACCTGATCGCCAAGAAGCGCGTGATCCGCATGCTCATTGTCATTGT
GGTCCTCTTCTTCCTGTGCTGGATGCCCATCTTCAGTGCCAATGCCTGGCGGGCATATGACACGGTTTCT
GCCGAGAAACACCTCTCAGGGACCCCCATCTCCTTCATCCTCCTCCTCTCCTACACCTCCTCCTGTGTCA
ACCCCATTATCTACTGCTTCATGAACAAACGCTTTCGCCTGGGCTTCATGGCCACCTTCCCCTGTTGCCC
GAATCCTGGTCCCACCGGGGTGAGAGGAGAAGTGGGAGAGGAGGAAGATGGAAGGACCATAAGGGCATCC
CTGTCCCGGTATTCCTACAGCCACATGAGCACCTCTGCCCCACCCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

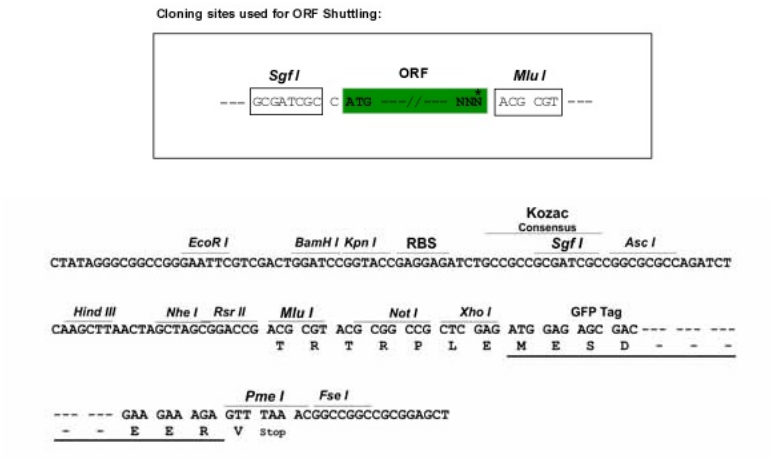
>MG206948 representing NM_009827
Red=Cloning site Green=Tags(s)

MDVVDSLLMNGSNITPPCELGLENETLFCLDQPQPSKEWQSAVQILLYSFIFLLSVLGNTLVITVLIRNK
RMRTVTNIFLLSLAVSDLMLCLFCMPFNLIPNLLKDFIFGSAVCKTTTYFMGTSVSVSTFNLVAISLERY
GAICRPLQSRVWQTKSHALKVIAATWCLSFTIMTPYPIYSNLVPFTKNNNQTANMCRFLLPSDAMQQSWQ
TFLLLILFLIPGVVMVVAYGLISLELYQGIKFDASQKKSAKEKRLSSGGGGGGGSSSSRYEDSDGCYLQK
SRPPRKLELQQLSTSSSGGRINRIRSSGSAANLIAKKRVIRMLIVIVVLFFLCWMPIFSANAWRAYDTVS
AEKHLSGTPISFILLLSYTSSCVNPIIYCFMNKRFRLGFMATFPCCPNPGPTGVRGEVGEEEDGRTIRAS
LSRYSYSHMSTSAPPP

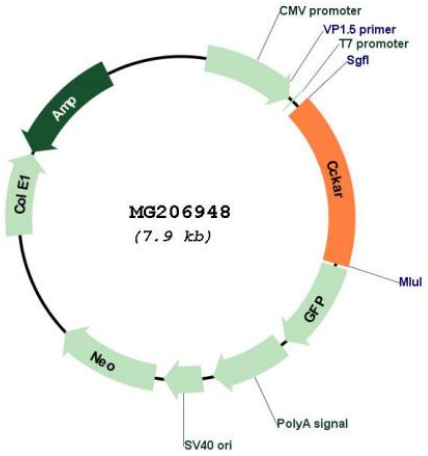
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009827

ORF Size:	1308 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:	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_009827.1, NP_033957.1
RefSeq Size:	3324 bp
RefSeq ORF:	1311 bp
Locus ID:	12425
UniProt ID:	O08786
Cytogenetics:	5 29.52 cM
Gene Summary:	Receptor for cholecystokinin. Mediates pancreatic growth and enzyme secretion, smooth muscle contraction of the gall bladder and stomach. Has a 1000-fold higher affinity for CCK rather than for gastrin. It modulates feeding and dopamine-induced behavior in the central and peripheral nervous system. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system (By similarity). [UniProtKB/Swiss-Prot Function]