

Product datasheet for **RR206824**

Mc3r (NM_001025270) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mc3r (NM_001025270) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mc3r
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206824 representing NM_001025270
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACTCTTCTGCTGCCGCTCCTCTTATCCGACGCTGCCTAACCTCTCCAGCACCTGCAGCCC
CCTCTGCCAGCAACCGGAGTGGCAGTGGGTTCTGCGAGCAGGTTTTCATCAAGCCAGAGGTTCTCTGGC
ACTGGGCATCGTCAGTCTGATGGAAAACATCCTGGTGATCCTGGCTGTGGTGAGGAACGGCAACCTGCAC
TCCCCATGTAATTCTTCTGTGCAGCCTGGCTGCGGCCGACATGCTGGTGAGCCTGTCCAACCTCCCTGG
AGACCATCATGATCGTGGTTATCAACAGCGACTCCCTGACCTTGAGGACCAATTCATCCAGCACATGGA
CAACATCTTCGACTCTATGATCTGCATCTCCCTGGTGGCCTCCATCTGCAACCTCCTGGCCATCGCCGTG
GACAGGTACGTCACCATCTTCTATGCCCTCCGTTACCACAGCATCATGACGGTTAGGAAAGCCCTCTCCT
TGATCGTGGCCATCTGGGTCTGCTGCGGCATCTGCGGCGTGATGTTTCATCGTCTACTCCGAGAGCAAGAT
GGTCATCGTGTGCCTCATCACCATGTTCTTCGCCATGGTGTCTGCTCATGGGCACCCTGTACATCCACATG
TTCTCTTCGCCAGGCTGCAGTCCAGCGCATCGCGGCACTGCCACCTGCTGATGGGGTAGCCCCGACG
AGCACTCGTGATGAAGGGGGCCGTACCATCACCATCCTGCTGGGGTTTTTCATCTTCTGCTGGGGCC
TTTCTTCCCTCCACTGGTCTCATCATACCTGCCACCAACCCCTACTGCATCTGCTACACGGCGCAC
TTCAACACCTACCTGTTCTCATCATGTGCAACTCTGTATCGACCCCTTATCTACGCCTTCCGACGCC
TGGAGCTGCGGAACACCTTCAAGGAGATTCTCTGCGGTTGCAATGGCATGAACGTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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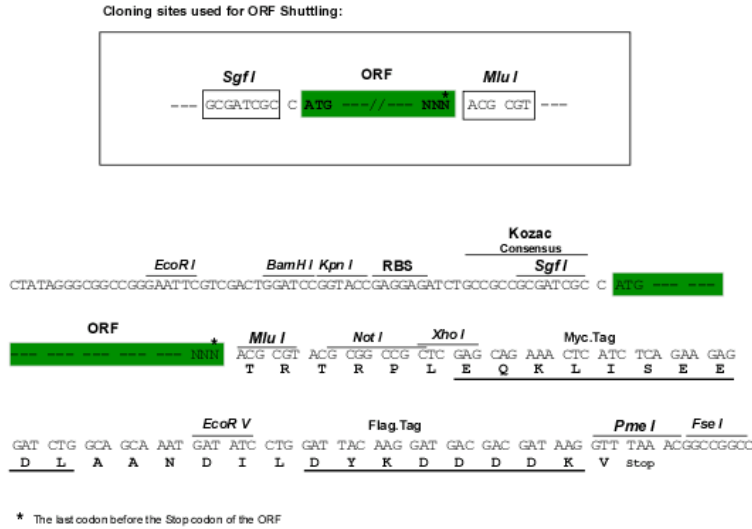
Protein Sequence: >RR206824 representing NM_001025270
 Red=Cloning site Green=Tags(s)

MNSSCCPSSSYPTLPNLSQHPAAPSASNRSGSGFCEQVFIKPEVFLALGIVSLMENILVILAVVRNGNLH
 SPMYFFFLCSLAAADMLVLSNSLETIMIIVVINSDSL TLEDQFIQHMDNIFDSMICISLVASICNLLAIIV
 DRYVTIFYALRYHSIMTVRKALSLIVAIWVCCGICGVMFIVYSESKMVIIVCLITMFFAMVLLMGTLYIHM
 FLFARLHVQRIIAALPPADGVAPQQHSCMKGAVTITILLGVFIFCWAPFFLHLVLIITCPTNPYICICYTAH
 FNTYLVLIMCNSVIDPLIYAFRSLELRNTFKEILCGCNGMNVG

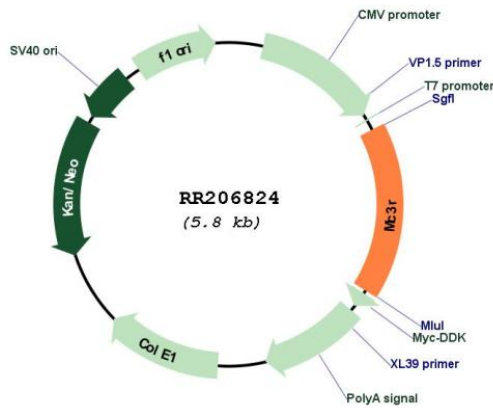
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025270

ORF Size:	969 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:	NM_001025270.3 , NP_001020441.3
RefSeq Size:	1099 bp
RefSeq ORF:	972 bp
Locus ID:	29310
UniProt ID:	P32244
Cytogenetics:	3q42
MW:	35.8 kDa
Gene Summary:	receptor for corticotropin (ACTH) and melanotropin (MSH) [RGD, Feb 2006]