

Product datasheet for **MG204660**

Crhbp (NM_198408) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crhbp (NM_198408) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Crhbp
Synonyms:	CRH-BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204660 representing NM_198408 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACCGAACTCAAACCTCAATGTCACCTTCATTCTGATCCTCCTGACAGCTCTAAGGGGAGAGAGCC
GCTACCTAGAGGTGCAAGAAGCCGCGGTCTACGACCTCTCCTGCTCTTCAGTGCCAATCTGAAGCGGGA
CCTGGCAGAGGAGCAGCCGTACCGACGGGCTCTGCGGTGCCTGGACATGCTGAGCCTCCCTGGCCAGTTC
ACCTTCACCGCAGACCGCCGACGCTGCACTGCGCCGCTTCTTCATCGCGGAGCCCGAGGAGTTTCATCA
CCATCCACTATGACCTGGTCTCCATCGACTGCCAAGCGGGGATTTCTGAAGGTATTTGATGGTTGGAT
CCTAAAGGGAGAGAAATCCCAAGTTCTCAGGATCACCTCTGCCACCATGAAGAGGTACACAGATTTTC
TGTGAGAGTGGTCTTACCAGAAGGAGCATCAGATCTTCCAGAATGTGGCCATGGTCTTCTCCGGGTCC
ACGAACCAGGAAATGGATTACAGATAACCATAAAGACAGATCCCAACCTCTTCCCTTGCAATGTCATCTC
TCAGACTCCGAGTGGAAGGTTTACTTTAGTGGTTCCATACCAGCACCAAACTGCAGCTTCTCCATCATC
TATCCAGTGGCAATCAAATCTCTGATCTTACCCTCGGACACTTGATGGCCTTCAGTTAAAGAAACCTG
CGGCTGGCTGCGGTGGGACTGGTGACTTTGTGGAGCTGCTGGGAGGAACCGGATTGGACCCTCCAAGAT
GATGCCCTTAGCAGACCTGTGTTACCCCTTCTCGGCCCTGCCAGATGAAAATTAGCTGCGACAATGCT
GTGGTACGCATGGTCTCCAGTGGGAAACACATTAACCGTGTGACATTTGAGTATCGTCAGCTGGAGCCAT
TTGAGCTAGAAACCTCGACCGGAAACAGCATCCAGAATACTGTTGTCTAGTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204660 representing NM_198408
Red=Cloning site Green=Tags(s)

MSPNFKLQCHFILILLTALRGESRYLEVQEAAYVDPLLLFSANLKRDLAEEQPYRRALRCLDMLSLPGQF
 TFTADRPQLHCAAFFIGEPPEEFTIHYDLVSIDCQGGDFLKVFDGWILKGEKFPSSQDHPLPTMKRYTDF
 CESGLTRRSIRSSQNVAMVFFRVHEPENGFTITIKTDPNLFPCNVISQTPSGRFTLVVPYQHNCFSII
 YPVAIKISDLTLGHLHGLQLKPPAAGCGGTGDFVELLGGTGLDPSKMMPLADLCYPFLGPAQMKISCNDA
 VVRMVSSGKHINRVTFEYRQLEPFELETSTGNSIPEYCLSSL

TRTRPLE - GFP Tag - V

Restriction Sites:

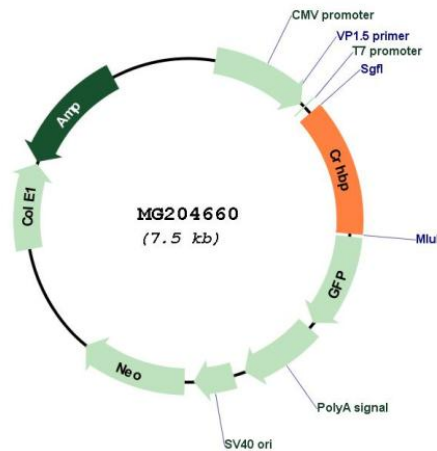
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_198408

ORF Size: 966 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_198408.2
RefSeq Size:	1650 bp
RefSeq ORF:	969 bp
Locus ID:	12919
UniProt ID:	Q60571
Cytogenetics:	13 49.5 cM
Gene Summary:	Binds CRF and inactivates it. May prevent inappropriate pituitary-adrenal stimulation in pregnancy.[UniProtKB/Swiss-Prot Function]