

Product datasheet for **RR201430**

Chga (NM_021655) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chga (NM_021655) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chga
Synonyms:	MGC105435
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201430 representing NM_021655
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGCGCTCTCCGCGCTTTGGCGTTCTGCTGTGCGCCGGCAAGTCTTTGCCCTTCTGTGAACAGCC
 CTATGACAAAAGGGGACACTAAGGTGATGAAGTGTCTCTGGAGGTCATCTCCGACTCGCTGCCAAACC
 CAGCCCCATGCCTGTCTGAGCCCTGAGTGTCTGGAGACCCTCCAAGGAGATGAGAGGGTCTCTCCATCCTT
 CGACACCAGAATTTGCTGAAGGAACTTCAAGACCTGGCGTTCAAGGTGCCAAGGAGCGGGCCAGCAGC
 AGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAACAACAACAGCAGCTTTGAGGATGA
 ACTCTCGGAAGTATTTGAGAACCAGAGCCCTGCAGCAAGCATGGAGACGCAGCATCAGAAGCCCCCTCC
 AAGGACTGTAGAGAAGAGAGAGGATTCTGACAAGGGGCAACAGGATGCCTTTGAGGAAACCACAGAAG
 GACCCAGACCTCAGGCCCTTCCAGAGCCCAAGCAGGAGTCTCTATGATGGGAAACAGTCAATCTCCAGG
 GGAGGACACAGCCAACAATACCCAATCACCAACCAGCCTCCCCAGCCAGGAGCATGGGATCCACAGACC
 ACAGAAGGCAGTGAGAGAGGTCCAGTGCAGCAGCAAGCCAGAAAAGCCAAGCAAGAGGAGAAAGAGG
 AAGAGGAGGAGGAAAGAGGAAGAGGAGGAGGAGAAAGAGGAGAAGGCGATCGCCAGAGAGAAGGCTGG
 GCCTAAAGAAGTCCCACGGCAGCATCCAGTTCTCACTTCTATTGAGGCTACAAGAAGATCCAGAAAGAT
 GATGATGGTCACTCGGAGTCTCAGGCAGTGAATGGAAAGACAGGGGCTTCTGAAGCTGTGCCATCTGAAG
 GGAAGGGGAGCTGGAGCACTCTCAGCAGGAGGAAGATGGGGAAGAGGCCATGGCAGGGCCCCCAAGG
 TCTCTTCCAGGTGGGAAGGGCCAGGAGCTGGAACGTAAGCAGCAGGAGGAGGAAGGAAGAGGAGCGT
 CTGTCCAGAGAATGGGAGACAAGCGATGGAGCAGGATGGACCAGCTGGCCAAGGAGCTGACAGCAGAGA
 AGCGGCTGGAGGGGAAGATGACCTGACCGTCCATGAAGCTCTCTTCCGGGCCCGGGCTATGGCTT
 CAGGGACCTGGGCCTCAGCTACGCCGGGCTGGAGGCCATCTTCCAGAGAAGACAGTGTGGAGGCCCGA
 GCGCACTTTGAGGAAAAGAAGGAAGAGGAGGCGCACAACCGCAGAGCAGAGGACCAGGAGCTAGAGA
 GCCTGTGACCCATCGAGGACAGCTGGAGAAGGTGGCCACCAGCTGCAGGCTTTGCGACGGGGAGCCTG
 TCAGCCATCGAGGACAGGCTGGAGAAGGTGGCCACCAGCTGCAGGCTTTGCGACGGGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201430 representing NM_021655
 Red=Cloning site Green=Tags(s)

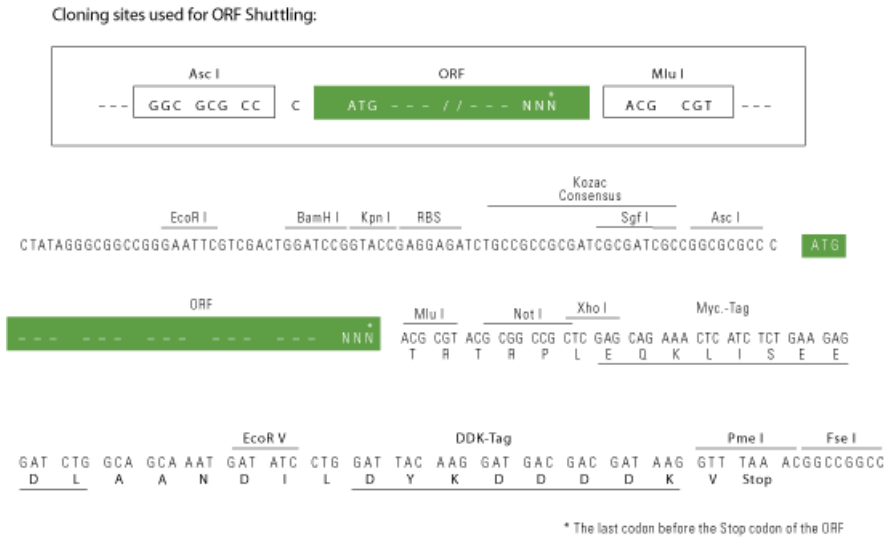
MRSSAALALLLCAGQVFALPVNSPMTKGDTKVMKCVLEVISDSLSPMPVPSPECLETLQGDERVLSIL
 RHQNLKELQDLALQGAKERAQQQQQQQQQQQQQQHSSFEDLSEVFENQSPAAKHGDAASEAPS
 KDTVEKRESDKQQDAFEGTTEGPRPQAFPEPKQESSMMGNSQSPGEDTANNTQSPTSLPSQEHGIPQT
 TEGSERGSAQQARKAKQEEKEEEEEKEEEEEKEEKAIAREKAGPKEVPTAASSSHFYSYKIKQD
 DDGQSESAVNGKTGASEAVPSEGKGELEHSQQEEDGEEAMAGPPQGLFPGGKGQELERKQEEEEEEER
 LSREWEDKRWSRMDQLAKELTAEKRLGEDDPDRSMKLSFRARAYGFRDPGPQLRRGWRPSSREDSVEAR
 GDFEEEKKEEGSANRRAEDQLESLSAIEAELEKVAHQQLALRRGACQPSRQSWRRWPTSCRLCDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

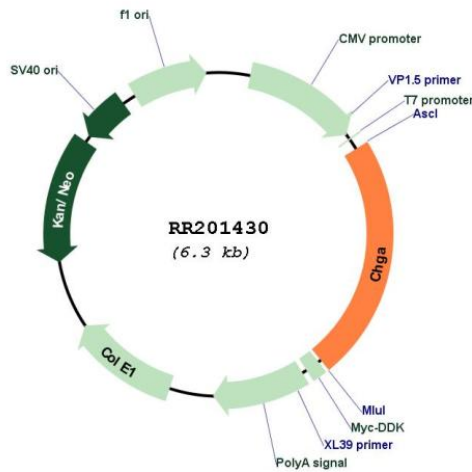
Restriction Sites:

AscI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_021655

ORF Size:

1395 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 Size: 1905 bp

RefSeq ORF: 1398 bp

Locus ID: 24258

Cytogenetics: 6q32

MW: 51.9 kDa

Gene Summary: an acidic glycoprotein involved in regulation of dense-core secretory granule biogenesis in neuroendocrine and endocrine cells [RGD, Feb 2006]