

Product datasheet for **RG214063**

GABRE (NM_004961) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRE (NM_004961) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GABRE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG214063 representing NM_004961
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGTCCAAGTTCTTCCAGTCTCCTAGGCATCTTATTGATCTCCAGTCGAGGGTCGAGGGACCTC
 AGACTGAATCAAAGAATGAAGCCTCTCCCGTGATGTTGTCTATGGCCCCAGCCCCAGCCTCTGGAAAA
 TCAGTCTCTCTGAGGAAACAAAGTCAACTGAGACTGAGACTGGGAGCAGAGTTGGCAAATGCCAGAA
 GCCTCTCGCATCCTGAACACTATCCTGAGTAATTATGACCACAACTGCGCCCTGGCATTGGAGAGAAGC
 CCACTGTGGTCACTGTTGAGATCTCCGTCAACAGCCTTGGTCTCTCTATCCTAGACATGGAATACAC
 CATTGACATCATTTCTCCAGACCTGGTACGACGAACGCCTCTGTTACAACGACACCTTTGAGTCTTT
 GTTCTGAATGGCAATGTGGTGAAGCAGTATGGATCCCGACACCTTTTTAGGAATTCTAAGAGGACCC
 ACGAGCATGAGATCACCATGCCAACCAGATGGTCCGCATCTACAAGGATGGCAAGGTGTTGACACAA
 TAGGATGACCATTGATGCCGGATGCTCACTCCACATGCTCAGATTTCCAATGGATTCTCACTCTTGCCT
 CTATCTTTCTAGCTTTTCTATCCTGAGAATGAGATGATCTACAAGTGGGAAAATTTCAAGCTTGAAA
 TCAATGAGAAGAACTCCTGGAAGCTCTCCAGTTTGATTTTACAGGAGTGAGCAACAAAATGAAATAAT
 CACAACCCAGTTGGTGACTTCATGGTCATGACGATTTTCTTCAATGTGAGCAGGCGGTTTGGCTATGTT
 GCCTTTCAAACATATGTCCTTCTCCGTGACCACGATGCTCTCCTGGGTTTCTTTTGGATCAAGACAG
 AGTCTGCTCCAGCCCGGACCTCTAGGGATCACCTCTGTTCTGACCATGACCACGTTGGGCACCTTTTC
 TCGTAAGAATTTCCCGGTGTCTCTATATCACAGCCTGGATTTCTATATCGCCATCTGCTTCGTCTTC
 TGCTTCTGCGCTCTGTTGGAGTTGTGTGCTCAACTTCTGATCTACAACCAGACAAAAGCCCATGCTT
 CTCTAAACTCCGCATCCTCGTATCAATAGCCGTGCCATGCCGTACCCGTGACGTTCCCGAGCCTG
 TGCCCGCAACATCAGGAAGCTTTTGTGTGCCAGATTGTCACTGAGGGAAGTATGGAGAGGAGCGC
 CCGTCTTGCTCAGCCAGCAGCCCTAGCCAGGTAGCCCTGAGGGTCCCGCAGCCTCTGCTCCAAGC
 TGGCCTGCTGTGAGTGGTGAAGCGTTTAAAGAAGTACTTCTGCATGGTCCCGATTGTGAGGGCAGTAC
 CTGGCAGCAGGGCCGCTCTGCATCCATGTCTACCGCCTGGATAACTACTCGAGAGTTGTTTTCCAGTG
 ACTTTCTTCTTCAATGTGCTCTACTGGCTTGTTCCTTAAGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214063 representing NM_004961
 Red=Cloning site Green=Tags(s)

MLSKVLPVLLGILLILQSRVEGPQTESKNEASSRDVVYGPQPQPLENQLLSEETKSTETETGSRVGLPE
 ASRILNTILSNYDHKLRPGIGEKPTVVTVETISVNSLGPLSILDMEYTIIDIFSQTWYDERLCYNDTFESL
 VLNGNVSQLWIPDFFRNKRTHEHEITMPNQMVRIYKDGKVL YTIRMTIDAGCSLHMLRFPMDSHSCP
 LSFSSFSYPENEMIKWENFKLEINEKNSWKLQFDFTGVSNKTEIITTPVGDVMVMTIFFNVSRRFGYV
 AFQNYVPSVTTMLSWVFWIKTESAPARTSLGITSVL TMTTLGTF SRKNFPRVSYITALDFYIAICFVF
 CFCALLEFAVLNFLIYNQTKAHASPKLRHPRINSRAHARTRARSACARQHQAFCQIVTTEGSDGEER
 PSCSAQQPPSPGSPGPRSLCSKLACCEWCKRFKKYFCMPDCEGSTWQQGRLCIHVYRLDNYSRVVFPV
 TFFFFNVLYWLVLNL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004961

ORF Size: 1518 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_004961.4](#)

RefSeq Size: 3167 bp

RefSeq ORF: 1521 bp

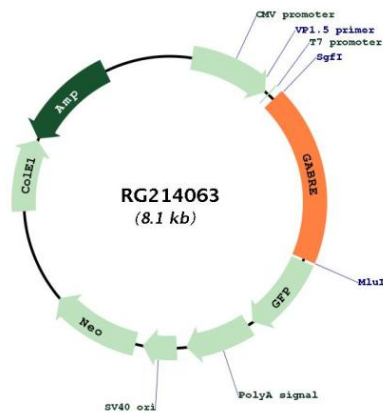
Locus ID: 2564

UniProt ID: [P78334](#)

Cytogenetics: Xq28

Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	The product of this gene belongs to the ligand-gated ionic channel (TC 1.A.9) family. It encodes the gamma-aminobutyric acid (GABA) A receptor which is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes an epsilon subunit. It is mapped to chromosome Xq28 in a cluster comprised of genes encoding alpha 3, beta 4 and theta subunits of the same receptor. Alternatively spliced transcript variants have been identified, but only one is thought to encode a protein. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RG214063