

Product datasheet for **RG206274**

Glycine Receptor alpha 3 (GLRA3) (NM_006529) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glycine Receptor alpha 3 (GLRA3) (NM_006529) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Glycine Receptor alpha 3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206274 representing NM_006529 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACGTGAGACACTTTCGGACATTAGTTTCGGGATTTTACTTCTGGGAAGCAGCACTGTTACTCA
GTTTGGTTGCCACAAAGGAAACAGACAGTGAAGATCTCGAAGTGCTCCAATGTCACCTTCTGATTTTCT
GGATAAATTAATGGGCAGGACATCAGGATATGATGCAAGAATCAGACCAATTTTAAAGGCCCTCCAGTT
AATGTCACATGCAACATATTCATCAACAGCTTTGGCTCTATCGCAGAGACGACCATGGATTACAGAGTGA
ATATCTTTCTTCGTCAGAAATGGAATGATCCCCGCCTCGCGTACAGTGAATATCCTGACGACTCTTTAGA
CCTCGACCCCTCCATGTTGGACTCCATTTGGAAACCTGATTTGTTCTTTGCAATGAAAAGGGTGCCAAC
TTTCATGAAGTCACTACAGACAACAAATTGCTAAGAATTTTCAAAAATGGAAATGTTCTTTATTCAATAA
GATTAACATTAACACTTTCCTGTCCAATGGATCTCAAGAATTTTCCCATGGATGTACAAACATGTATAAT
GCAACTGGAAAGCTTTGGGTACACAATGAATGATCTCATTTTTGAATGGCAAGATGAGGCACCCGTACAA
GTGGCAGAAGGACTCACTTTGCCCCAGTTTCTGTTGAAAGAAGAAAAGATTTACGATACTGCACATAAC
ATTACAATACAGGAAAGTTTACGTGTATAGAAGTGGGATTCATCTGGAGCGACAAATGGGATACTATCT
GATCCAGATGTACATCCAGTCTCCTGATTGTTATTCTATCCTGGGTTTCGTTCTGGATCAACATGGAT
GCAGCACCGGCCAGGGTAGCTCTGGGGATAACCACCGTGTAACGATGACTACACAGAGTTCAGGATCAC
GAGCTTCCCTTGCCAAAAGTTTCATATGTCAAAGCTATTGATATTTGGATGGCAGTATGCCTCCTTTTTGT
GTTTTTCAGCACTTCTGGAGTATGCAGCTGTAAATTTTGTATCAAGACAACACAAAGAACTTCTGAGATTT
CGACGAAAGAGAAAGAATAAGACAGAAGCCTTTCGACTGGAGAAGTTTTACCGTTTCTCAGATATGGATG
ATGAGGTAAGGGAAAGCCGATTACAGCTTACAGCCTATGGAATGGGACCATGTCTACAAGCAAAGGATGG
CATGACTCCAAGGGCCCAACCACCTGTCCAGGTAATGCCAAAAGTCTGATGAAATGAGGAAGGTC
TTTATCGACCGGGCCAAGAAGATTGATACCATCTCCGAGCCTGCTTCCATTAGCTTTTTTGATTTTTA
ATATTTTCTACTGGGTTATCTATAAAATTTTAGGCATGAGGATATTCATCAGCAGCAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206274 representing NM_006529
Red=Cloning site Green=Tags(s)

MAHVRHFRTLVSIFYFWEAALLLSLVATKETDSARSRAPMSPSDFLDKLMGRTSGYDARIRPNFKGPPV
 NVTCNIFINSFGSIAETMDYRVNIFLRQKWNDRLAYSEYPDDSLDLDPSMLDSIWKPDLEFFANEKGAN
 FHEVTTDNKLLRIFKNGNVLYSIRLTLTLCSPMDLKNFPMQVQTCIMQLESFGYTMNDLIFEWQDEAPVQ
 VAEGTLTPQFLKKEEKDLRYCTKHYNKTKFTCIEVRFHLERQMGYYLIQMYIPSLILVILSWVSWINMD
 AAPARVALGITTTLTMTTQSSGSRASLPKVSIVKAIWMAVCLLFVFSALLEYAAVNFVSRQHKELLRF
 RRRKRNKTEAFALEKFYRFSDMDEEVRESRFSFTAYGMGPCLQAKDGMTKPGNHPVQVMPKSPDEMRYV
 FIDRAKKIDTISRACFLAFLIFNIFYWVIYKILRHEDIHQQQD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006529

ORF Size: 1392 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_006529.2](#), [NP_006520.2](#)

RefSeq Size: 3637 bp

RefSeq ORF: 1395 bp

Locus ID: 8001

UniProt ID: [O75311](#)

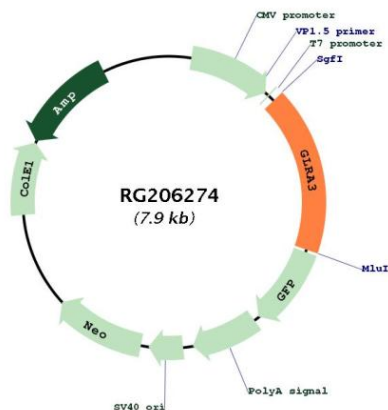
Cytogenetics: 4q34.1

Protein Families: Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: This gene encodes a member of the ligand-gated ion channel protein family. The encoded protein is a member of the glycine receptor subfamily. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]

Product images:



Circular map for RG206274