

Product datasheet for **SC103207**

GLUR3 (GRIA3) (BC032004) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLUR3 (GRIA3) (BC032004) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLUR3
Synonyms:	dj1171F9.1; GLUR-C; GLUR-K3; GLUR3; GLURC; glutamate receptor, ionotropic, AMPA 3; glutamate receptor C; glutamate receptor subunit 3; MRX94; OTTHUMP00000024261; OTTHUMP00000024262
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for BC032004, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAGGCAGAAGAAAATGGGGCAAAGCGTGCTCCGGGCGGTCTTCTTTTTAGTCCTGGGGCTTTTGG
GTCATTCTCACGGAGGATCCCCAACACCATCAGCATAGGTGGACTTTTCATGAGAAACACAGTGCAGGA
GCACAGCGCTTTCCGCTTTGCCGTGCAGTTATAACAACCAACCAGAACCACCCGAGAAGCCCTCCAT
TTGAATTACCACGTAGATCACTTGGATTCTCCAATAGTTTTTCCGTGACAAATGCTTGTCTGCTGAAA
GGGACTACCTGCCTTGGCCAGGAAGCATCAGGGAAAACAATTGGACAGCTCTGCCGTGCTGCAAAGATCA
TGGGCTGCTGCACCTAAAATGTTCAACAGGTGGGGCCCGCCAAAACCTGGGCCTATTGTATCTGGGCGGT
ACAGGTGAACTGTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC032004 unedited GTGTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGGGAGAGA GAGGGAGCAAGAAAGGAAGAGAGAGCGAGCGAGAGAGAGCGAGCGAATAAGAGAGAGAGT AAGAGGGAGAGAGAAGAAGGAAGAAGAGGAGGCGGCCGCGAGCGGAGGAGGAGGAGGAC TAGTGTGGGGTGGAAAGGAAGAGTGAGCGAGAGCAAGTTAAGGGGAGGGGGTGTAAAGAGC CAGCGAATCTTTTTCTTTTTCTATTATATTTTGACGACTCCTGAGTTGCGCCCATGCT CTTGTGAGCTTCGTTTTAGGCGTAGCATGGCCAGGCAGAAAGAAAATGGGGCAAAGCGTGC TCCGGGCGGTCTTCTTTTTAGTCTGGGGCTTTTGGGTATTCTCACGGAGGATTCCCCA ACACCATCAGCATAGGTGGACTTTTCATGAGAAACACAGTGCAGGAGCACAGCGCTTTCC GCTTTGCCGTGCAGTTATACAACACCAACCAGAACACCACCGAGAAGCCCTTCCATTTGA ATTACCACGTAGATCACTTGATTCTCCAATAGTTTTCCGTGACAAATGCTTTCTGCT CCCAGTTCTCGAGAGGGGTGTATGCCATCTTTGGATTCTATGACCAGATGTCAATGAACA CCCTGACCTCTTCTGTGGGGCCCTGCCACATCCTTTGTTACGCCTAGCTTCCCCACTGA CGCAGATGTGCAGTTTGCATCCAGATGCGCCAGCCTTGAAGGGCGCTATTCTGAGTCT TCTGGGTATTACAAGTGGGAGAAAGTTTGTGTACCTCTATGACACAGAAACGAGGATTT TCATTCTNNCAGCGATTATGGAAGCAGCAGTGCAAAACAACCTGNNCAGTACAGCNAGG GTCTGTGGGAAACATAAAAGGACGTNCCAGNATTCANGCGCATCATTGNAG
Restriction Sites:	NotI-NotI
ACCN:	BC032004
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC032004.1 , AAH32004.1
RefSeq Size:	1011 bp
RefSeq ORF:	1011 bp
Locus ID:	2892
Cytogenetics:	Xq25
Protein Families:	Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane
Protein Pathways:	Long-term depression, Neuroactive ligand-receptor interaction

Gene Summary:

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing at this locus results in different isoforms, which may vary in their signal transduction properties. [provided by RefSeq, Jul 2008]