

Product datasheet for **MC204858**

Glrb (NM_010298) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glrb (NM_010298) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Glrb
Synonyms:	A1853901; Glyrb; spa; spastic
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC037605
 CCACGCGTCCGGGCGGTGGCGGGGCGGCGGGGACTCGCTGGTCGCAGCTGCCTCTGCGCCCGCCACC
 TGCGCCGCGCTCACCTCGGCGGAGGGCTGAGGGGCGCGTGCATTGAGCTGCTGAAACTCCGTTTTCAA
 GATGAAGTTTTCGTTGGCAATCTCTTTTTATTTAATGTCTTGTGTTTGAAGACGCTTGTGCTAAA
 GAAAAGTCTTCCAAGAAAGGGAAGGGAAAAAGAAGCAGTACTTGTCCCATCTCAGCAGTACCCGAGG
 ACCTGGCCCGTGTGCCCCCAACTCCACCAGCAATATCTTGAACAGGCTGCTGGTCAGTTATGATCCAG
 GATCAGACCAAACTTCAAAGGCATTCTGTTGATGTAGTAGTCAACATTTTTATTAATAGTTTTGGATCC
 ATTC AAGAGACAACAATGGACTATAGAGTTAACATTTTCTTGAGACAGAAATGGAATGACCCAGACTCA
 AGCTACCTAGTGACTTCAGAGGCTCAGATGCACTGACAGTTGACCCACCATGTATAAGTGCTTGTGAA
 ACCTGACTTATTCTTTGCAAATGAAAAAGTGCCAATTTTCATGATGTGACCCAAGAAAATATCCTGTTG
 TTTATCTTTCCGGATGGAGACGTCCTTGTGAGCATGAGGTTGTCTATTACACTTTCATGCCTCTAGACT
 TAACTCTGTTCCCATGGACACACAACGCTGCAAAATGCAACTTGAGAGCTTTGGATATACAACCGATGA
 TTTAAGATTCATCTGGCAGTCAGGAGATCTGTTGAGTTGGAAAAATTGCTTTACCTCAATTTGATATT
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 AGGTCATCTTCCCTGAGGAGACAGGTTGGGTTCTACATGATGGGCGTATATGCACCAACCTTGCTGAT
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 TTCTCCGTGCTCAGTTTGGCCTCAGAGTGACCCACCTCGCAGCCGAGCTTCTAAAGTGCTTATGTGA
 AGGCGCTGGATGTGTGGCTCATTGCCTGCCTGCTCTTCGGGTTTGCCTCCCTCGTGGAGTACGCTGTGGT
 CCAGGTGATGCTGAACAATCCAAAAGGGTTGAAGCCGAGAAGGCCCGAATAGCTAAGGCTGAGCAAGCA
 GATGGGAAAGGTGAAACGCAGCTAAGAAGAATACTGTAACGGCACGGGGACCCCTGTTTCATATCAGCA
 CTTTGCAGGTTGGTGAGACCAGATGCAAAAAGTTGACTTCCAAGTCTGATTTGAGATCCAATGACTT
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 CAGCAGCCAAAGCGCATCGACCTTTATGCAAGAGCATTATTTCTTCTGCTTCTTGTTCCTCAATGTTAT
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 ATGCAATTCATAATTGCTGATCTGTGAAACTTTGCATTTTCTAGCAATATATTGCATTTTGGATGCCA
 CTTGATTATAATAAAATACAGCACCTTACTTTGAATGGCAGCATGACCCTGTAAAGTCTGTGCACCGAC
 TGTGAGATAGATAGATAGATGTATGATATTGAGCATAGTGCTTAAAGATCAATGACAAATATGCATAC
 TATGTAATCTACATAATGTGCTCTTCCAGTACTGTAACCTGTAACCTACAATACTTCCAGTAATCCAGA
 TGAACATAATGTGCACGCTGACCCCTGTCATGTTCACTGGTCCATGTATGCAGTATCTTACATCCCCT
 TCCTTGTAAAGAAAGCCATCTTATTAATAATTTTCGATAGTATTATTGCAGATTAAGCAAGATTAT
 ATGGCATAGTGTTAAAGTTTTAAGAGAGGTAGATCAGTAATAGTTATGCAGGCTCCTTAAGAAATAAA
 ATCATAATTATACATTTATAAAGCAAGCTTATTTTAAAGTGTGCTTGTGTCGTAATAATGCCAGATAATA
 GAACAGTAAGCATTTCTGAAGAAAAGAGAAATCTGGGCTAGTATAAATGCATAGCAAGTTCTGGCTCTG
 GCAAAATACAAATAGTGATAGATGATTAATTAATATTTGGATAAAATAAATCCTTTAATCCACCTTA
 AATCAAAGTCTATTTTCATGCCTTTTATTGGTTGGTATGGAGAGCATTAAGCATAAGCCTTAAAAAGAGT
 TGCACACATTTCAAACCTAAATAGTGTGGTGACATGTGAGTCCAGATTACTGTTAGACTCCAGAAATGT
 TAGCATGAACTTGAATGGAAAAATCATAATCACTGAAGGACTTAGGTTGTTTATTTTATTAATAATGTT
 CTATATTTCAAGTAATATTCAAACCTGTTTTTGGAAATTTTTTATTTATTTGAATGATTTGAATATGTT
 ACAAACAATGATTTAGTTAATAATTTTTTTTATTTAACCTTTAGACTTACCCTTTTCTCTCGCTGAA
 AGTCTAGATATTGGGGCTGGCTGACTTTCATTTTCTATCTGAAAAGAACCCCTAAGCCTCTTCTTAT
 AAAGCCCCATTTCTAACAGTGTATAGTGAACCTGTTTATTTCTGTCTAGCTAAAATGGAGCTATTA
 GTAATTACTGTAATGTAACAGACCATAAAGCCATTTTGCCTTATTTGGAGTGCTTTTGTCTTGTGAT
 AGTTTGTACAGCCAACCTACATAACATAATGCATTAAGTATTATTTGTGCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_010298
Insert Size: 1491 bp

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:	BC037605 , AAH37605
RefSeq Size:	3008 bp
RefSeq ORF:	1491 bp
Locus ID:	14658
UniProt ID:	P48168
Cytogenetics:	3 35.71 cM
Gene Summary:	<p>This gene encodes the beta subunit of the glycine receptor, which is a pentamer composed of alpha and beta subunits. The receptor functions as a neurotransmitter-gated ion channel, which produces hyperpolarization via increased chloride conductance due to the binding of glycine to the receptor. This gene is transcribed throughout the central nervous system of neonatal and adult mice. In humans, mutations in this gene cause startle disease, also known as hereditary hyperekplexia or congenital stiff-person syndrome, a disease characterized by muscular rigidity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon in the 3' coding region compared to variant 1. This results in a shorter protein (isoform 4), compared to isoform 1.</p>