

Product datasheet for **MC205610**

Glyr1 (NM_028720) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glyr1 (NM_028720) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Glyr1
Synonyms:	2810419J22Rik; 3930401K13Rik; AW545332; Npac
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC006893
 GATGGCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAACTGGGCCGGTATCCTCCCTGGCCA
 GGAAAGATTGTTAATCCACCCAAGGACTTAAAGAAACCACGTGGAAGAAATGCTTCTTTGTGAAGTTTT
 TTGGAACAGAAGATCATGCTGGATCAAAGTGGAAACAGCTAAAGCCTTACCATGCTCACAAAGGAGGAGAT
 GATAAAGATTAACAAGGGTAAACGGTCCAGCAAGCTGTGGATGCTGTTGAAGAGTTCTCAGGAGAGCC
 AAAGGGAAAGACCAGACATCATCCACACTTCTGCTGATGACAAGAATCGGCGTAATCCAGTGAGGAGA
 GAAGTAGGCCAAACTCAGGTGATGAGAAACGCAAGCTTAGCCTGTCTGAAGGGAAGGTGAAGAAGAACAT
 GGGAGAAGGAAAGAAGAGGGTGACTTCAGGCTCTGCAGACAGAGGCTCCAATGCCTTAAAGAGCCCAA
 GAGCAAAGTCCCCGGAAGCGGGTCTGGCCCCAAAGGATGAGAAGGACCTCACCATCCCTGAGTCTAGCA
 CTGTAAAGGGGATGATGGCTGGACCGATGGCTGCATTTAATGGCAGCCAACAGCGACCGGAGCCAGTCAA
 AGATGCAGATCCTCATTTTCATCATTTTCTGTTGAGCCAAACAGAGAAGCCAGCTGTCTGTTACCAGGCA
 ATCACAAAGAAGTTGAAAATATGTGAAGAGGAAACTGGTCCACCTCCATCCAGGCAGCAGACAGCACAG
 CTGTGAATGGCAGCATTACCCACAGACAAAAAGATAGGATTTTGGCCCTGGCTTAATGGGAAGTGG
 CATCGTCTCCAATTGCTAAAAATGGGTACACAGTGACTGTCTGGAACCGGACTGCAGAGAAAGAGGGG
 GCCCGCTAGGAAGAACCCCGTGAAGTCGTTCAACTTGTGACATCACTTTTGCTGTGTGTCGGATC
 CAAAGGCAGCCAAGGACCTGGTGTCTGGGCCACGCGTGTCTGCAAGGAATCCGCCCCGGGAAGTGCTA
 TGTGGACATGTCAACGGTGGATGCGGATACAGTACCCGAGCTGGCCAGGTGATTGTATCCAGAGGGGGA
 CGCTTTCTGGAAGCACCAGTCTCAGGGAATCAGCAACTGTCCAATGATGGGATGTTGGTGTCTTAGCAG
 CCGGAGACAGGGGCTTGTATGAGGACTGCAGCAGCTGCTCCAGGCAATGGGAAAGACCTCCTTCTTTT
 AGGTGAAGTTGGCAATGCAGCCAAGATGATGCTGATTGTGAACATGGTCCAAGGGAGCTTCATGGCCACC
 ATTGCTGAGGGGCTCACGCTGGCCCAAGTGACAGGCCAATCACAGCAGACACTCTGGACATCCTTAATC
 AGGGACAATTGGCAGCATCTTTCTGGACCAGAAGTGCCAAAATATCCTACAAGGAACTTTAAACCTGA
 CTTCTACTGAAATACATTGAGAAGGATCTCCGCTGGCCATTGCATTGGGTGATGCAGTCAACCCACC
 ACTCCCATGGCAGCTGCAGCCAATGAGGTATACAAAAGAGCCAAGGCACTGGACCAGTCTGACAATGATA
 TGTCTGCCGTGTACCGAGCTACATACTAAGCCTTGCCCTGCCATCTACCCTCCCATCTTCCCTCTGA
 CCTCCCCTCCCAGTGTGGGGTCAAGGTTCTGGGACTAGCTCTGGACCAGTCACTGTCTCCATTTCTTT
 TATACAGACTTTGAAACTTGATCAGCACAGTACACAGCAGCACCTGTCTCCCTGAGGCCCTGGCCAGG
 GATAAGAGGATCTATCTCTCTGGTGGCTGTGAAGAAGCTCTTGAGCTGGGCCTTGATTGACCCTGGAGC
 AGGAGGTTGTGGATTCTCTGTCTCTGTCTCTGTCTCTGTCTCACACACACCCAGGATAGAAGC
 TACCCAGAAACTGCTGCCTGGCTGTTCTTGCAAGCTTAGCCCCCTTCTGGTCAAGAGACTGGAGGGACTA
 GAATTGACAGGGAGCACTGGAAGCTTTCTTCAACTTCCCAGGACAGAGACTGGCCCCACTGGGCCCC
 TGAAGGAGAGGGCCCCTCAGCCATCATGAACCAACAGATTCCCTGAGGAGGCTCTGTGGATCACCAGCTG
 AGGAGGATTTTCTGTAGACACTACCATTACACCGCAGCTCCCAGAGTGTCTCTGTGAAGTGAAGAGAGA
 CCAGCATAGCCACATAGACCCCTCTCAGGGGGAGCAGAGTCTACAGTCTTCTGTCTGAGCCTGTTCTCT
 CCCAGGAGGTTTCATTTGGATTTGCATTCCAGCCCAAGGGAAGGGGCCGTAAGGGCCTTGGGAGCAGTGA
 AGTGTATGGGCGGCTCCTTCTGTTCCGTTACGCCAGGCTCTTGAGCTGGGCTACCTGTTACAGCCTGCT
 CTACACAGGTCCTGATGTCCCTCTTCCCCTTTCTTCCATGGAGATATTTCTGTCCCATCCTCTTT
 TGACCCAGCCCCAGCCTGATCAACACCAATAATAAGCATTCTAGATGAGCATTCTAGGCTGGGCTT
 TTGATGAGGAACCTTACTTCTGCCAGTGGTTCCAAGTCTGGGTTTTTTGGGACTTGAAGCATTCTCCT
 TGAAGAGGGGACCAGAGAGGCTTGAATGTCACACGAGAGGAATCACCCGAGGAAGCCTTCTCCTCATG
 AGTTTGGATTTTCAAAGCCACGATTTAACTTTTCCATCTGGGATAAGGATCTCAGGACATGGGCACGGG
 CAGGGGATGCTTGTGGAGTTCAGTGCAATTGTCCATTCACTGGGATGCTGAACAGTTTCTGTCTGGACAC
 AGCCTGTCTTGGTCTGGGGCTGGGGTGGGGAAGATGCTGTAAGAAAACCGGTTAGTCAATGTTGTCT
 TAATATTGTTGACAATTCTGAAAGTTCCTTTTATGACTATTTCTGTTAAGCTATTTACCTTTTCATT
 TTGAAACCCTTCTTTTATGGAGAAAATGTGACTGTGAAATGCTTGAAGAAAGCCCTACTCCC
 CTTTCTTGAATGACAGATCTAGGTGATTACGGTGTGAAATTTTATTTTACATTTGTTTTAATGAA
 CATTTGTCTTTCAGAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_028720
Insert Size: 1641 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:	BC006893 , AAH06893
RefSeq Size:	3187 bp
RefSeq ORF:	1641 bp
Locus ID:	74022
UniProt ID:	Q922P9
Cytogenetics:	16 2.49 cM
Gene Summary:	Putative oxidoreductase that is recruited on chromatin and promotes KDM1B demethylase activity. Recognizes and binds trimethylated 'Lys-36' of histone H3 (H3K36me3). Regulates p38 MAP kinase activity by mediating stress activation of p38alpha/MAPK14 and specifically regulating MAPK14 signaling. Indirectly promotes phosphorylation of MAPK14 and activation of ATF2. The phosphorylation of MAPK14 requires upstream activity of MAP2K4 and MAP2K6. [UniProtKB/Swiss-Prot Function]