

Product datasheet for **MC200869**

Ggh (NM_010281) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggh (NM_010281) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ggh
Synonyms:	gamma-GH
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC009809 sequence for NM_010281
CCACGCGTCCGCGATGGCGAACCTGGGCTACCTGCTGTGCTTGTGGGTTTGTACTATGCGGGCTTTCA
AGTCCCGGGATGTCCAGACCCTACAACCATGGCTCCGAGAGGCCCATCATCGGAGTAGTAATGCAAGAAT
GTTTTGGGAAAATGGCGAAGTTGGGAACTACTACATTGCTGCATCCTATGTGAAGTATATAGAGTCTGC
AGGTGCACGAGTTGTGCCATAAGGCCTGATCTTAGTGATGCAGAGTATGAAGAATTTTTAGATCTATT
AATGGAGTTCTCCTTCTGGAGGAGGTGCTAACCTAACAGATTACAGTTATTCGAGTGGCCAAAATAT
TTTTCAGCAAGGCTCTAGAGAGCTTTGATAATGGAGGCCATTTCTGTGTGGGAAACATGCCTGGATT
TGAGGAGCTTTCTGCTGTTAGTGGAGAGAACTTACTAACGAGTACAGACACTAAGTCAAAGAAATTG
CCCTTGAACCTCACTGAAGGTGCAAGGAAGAGCAGAATGTTCAAACATTTCTACTGAGTTATTGGATT
CATTAGCACTAGAAAATCTGACCGCAAATTTTCAAAAATGGAGCCTCTCTGTGAAGAATTTTACAGAAAA
TGAAAAGTTAAAGAAGTTTTTCAATATATTAACAACCAATACAGATGGCAAAAAGTTCATTTTCATCC
ATGGAAGGATTTAAGTATCCAGTGTATGCTGTCCAGTGGCATCCTGAGAAAGCACCATTTGAGTGGGAAGA
ATCTGGGGCGCATTTCTCATGCACCAAATGCTGTGAAGACTTCATTCTACTTAGCAGAATTTTATGTTTC
TGAAGCTCGGAAGAACAGTCAACCTTTGAGAAGTGGTTAAGGAGACGGCATCCTTGATTTACAAGGTC
TATCCCATTTTACTGGAAATATTTCTTCAATTCAGCAAGCTTATATGTTTGACTGAAATTTCTTCAATAT
GGTAACCCAGCAGCTTTGAGTAATCTGTGATTGAATTGCTAACACAGCTCAGGGCAGTGTGAGAAAAGCC
ACACAGATATCTTTGCTGTGCTGCTGGTTCTGATTCTCTGGCTTAATACATGATTGTTTTTATCAGATTTG
ATAACCTGACAATGAAAAATATAAAAAATCAGAGTGTTTTTTTCATGAAAATGCCTTCTTATGTCTGAAGAT
TCTAAAATACAAGTTTTTGAATAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_010281
Insert Size:	954 bp



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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:	<u>BC009809</u> , <u>AAH09809</u>
RefSeq Size:	1231 bp
RefSeq ORF:	954 bp
Locus ID:	14590
UniProt ID:	<u>Q9Z0L8</u>
Cytogenetics:	4 A3
Gene Summary:	Hydrolyzes the polyglutamate sidechains of pteroylpolyglutamates. Progressively removes gamma-glutamyl residues from pteroylpoly-gamma-glutamate to yield pteroyl-alpha-glutamate (folic acid) and free glutamate. May play an important role in the bioavailability of dietary pteroylpolyglutamates and in the metabolism of pteroylpolyglutamates and antifolates. Acts as endopeptidase. Lysosomal enzyme is activated by sulfhydryl compounds. [UniProtKB/Swiss-Prot Function]