

Product datasheet for **MC200568**

Gatb (NM_144896) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Gatb
Synonyms:	9430026F02Rik; Pet112; Pet112l
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:	>BC005709 sequence for NM_144896 <pre> GGGACTTCGGCGACGCTATGGCGGCCGCCATGCTGCGCTTGGGTTTCCCTGGAAGACGCTGGGCTTTAAC ATGGCTAGATGGCGGTTCCCGCCACCGAAGTGGCTCTCAGACTGGGCCACATCCAAGTGGGCTAGGAGA CAGAGTTCAGTGGCTCAGCCTTCCCTCCACACGGCTCAGAAGCCGAGGAAAGGTGAACACAAATGGGCAG CTGTAGTAGGACTGGAATTTCATGCACAGATTTCTCCTCAACTCTAACTCTTCTCTGGAGCTCAAGTGTG CTTTGCAGCACCTCCAATTCTCTGGTTTCTTATTTTATGTCATCTCTGCCTGGAACATTACCGTTCTC AACAGGAGGTGTGTGAAGCCGCGGTGATGACTGGCTTGGCACTGAACTGCCACATAAACAAGAAGTCTT TGTTTGACCGGAAGCACTACTTCTACTCAGACCTTCTGCTGGCTACCAGATCACCCAGCAGAGGCTCCC AATTGCTGCCAATGGACACTTGACCTACTGTATCTATCTAGGGAAGAAACCCAGTCAGGTGACCACCAAG ACAGTGAGGATCAAGCAGATCCAGTTGGAGCAGGACAGTGGCAAAAGCCTCCATGACGACCTGAGGTGAC AGACTCTATTGATTTGAACAGAGCCGGAATTGGCCTTCTTGAAGTGGTCTGGAGCCTGACCTGTGCTG TGGAGAAGAGGCAGCCCTAGCTGTGAGGGAAGTGCAGCTGATCCTTCAAGCCCTGGGCACCAAGCAAGCC AACATGGCAGAGGGTCAAGTGTGAGTGGATGCCAATATATCTGTACATCACCTGGGGAACCACTGGGTG TCAGGACTGAGGTAAAGAAATCTCAACAGCCTCAGGTTCTTGCCAAAGCCATAGATTATGAAATTCAGAG GCAAACTCACTGAAGTGTGAGATGGAGGTGAAATCTGAATGAACTCGTTTATTGATTATAAGCTGGGG TGCACCATGCCAATGAGAGACAAGGAAGGAAACAAGACTACAGGTTTATGCCAGAGCCCAACCTGCCTC CCTTAGTGCTCTACGATGACACATCTCTGCCACGAGGTGCAGACTCTCAGCAGGTGATCAATATTGACCA GCTTCGGGACATGCTCCCGAGCTCCCAAGTGCACCAAGAGAAAGGCTGGTCCAGCAGTATGGGATGCTT CCCGAGCACAGCTTTGCGTTACTGAATGAAGTTGGCCTACTGGAGTTCTTCCAGAATGTGATAAAGAAA CTAGGACAGAGCCAAAAAAGGTGACTAACTGGGTCTGAACACTTTTCTGTGCTATTTAAAGCAACAGAA TCTTGCACTCAGTGTGAGTCTGTGACACCTCTGCACTTGTGAGCTCTCAACCTGCTGGACAGGAAA GCAATTTCTTCATCGGCAGCTAAGCAGGTGTTTGGAGAGTGTGGAAGGGGGAGGGGAAGACAGCAGCAC AGATCGTGTGAGAACAGCAGCTGGAGCTGATGCAGGATCAAGAGGCCCTGGAAAAGCTCTGCCAGACCAC CATAGATGGACACCCCAAGTGGTGTGATGTGAAGAAAAGAAACCCCAAGCTATAAATAGCTGATT GGGTTGGTGCAGGAAAGGCAAGCCACAGCAGGGCAGACCCGGCTCTGATAAAGAAAATATTGGAGAGGAAGC TGTCATTGTGAGATGTGTGGGGTCCCTCTGCCGGATGGAGGACAGTGTGGCTCTGAGAAGAGGGGCTGT GAGGGCTGGAAGTCACTGTGCTGTACAAGTGTATCTTCTAGTCCCTAGCCAAGCTACACTTCTAGGAGG CCAGGAGGCAATAGTTTACACCTGTGTGTCTATGAGACCCCATGACCTGAGAGGCAGCCATCACGGA AGACAGCAGCCAGAGTGTGAGCCTCACTGTCTGGAATGGCCCATGATGGTGGCAGCAGTGACTAAAG AAATTGTAAGTCTACACAGAATAAAGTTTCAGTCCCCACCTCAAAAAAAAAA </pre>
Restriction Sites:	RsrII-NotI
ACCN:	NM_144896
Insert Size:	1674 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:	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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC005709</u> , <u>AAH05709</u>
RefSeq Size:	2013 bp
RefSeq ORF:	1674 bp
Locus ID:	229487
UniProt ID:	<u>Q99JT1</u>
Cytogenetics:	3 F1
Gene Summary:	Allows the formation of correctly charged Gln-tRNA(Gln) through the transamidation of misacylated Glu-tRNA(Gln) in the mitochondria. The reaction takes place in the presence of glutamine and ATP through an activated gamma-phospho-Glu-tRNA(Gln).[UniProtKB/Swiss-Prot Function]