

Product datasheet for **MC219490**

Bche (NM_009738) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bche (NM_009738) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bche
Synonyms:	C730038G20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219490 representing NM_009738
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGACTCAGCATACCAAGGTAACACAGACCCACTTCTCCTATGGATTCTTCTGCTCTGCATGCCTT
 TTGGGAAGTCACACACTGAAGAAGACTTCATAATTACAACCAAGACCGGAAGGGTCCGAGGGCTGAGCAT
 GCCAGTCTTGGTGGCAGGGTACTGCCTTCTCGGTATCCCCTATGCACAACCTCCTCTGGGTAGCCTA
 AGATTCAAAAAGCCGCAACCCCTAAACAATGGCCTGACATCCATAATGCCACTCAATATGCAAATCTT
 GTTATCAGAACATAGACCAAGCCTCCAGGCTCCAGGGGTGAGAAATGTGGAATCCAAACACAAACCT
 CAGTGAAGACTGCTTGTATCTGAATGTTTGGATTCCAGTACCGAAGCCTAAAAATGCCACTGTATGGTA
 TGGATCTATGGTGGTGGCTTCAAACCTGGGACCTTCTCTACCTGTTTACGATGGGAAGTTTCTAGCTC
 GTGTTGAAAGAGTTATTGTAGTTTCGATGAACATAGGGTAGGTCTCTAGGATTCCTAGCTTTCCCGG
 AAATCCCGATGCTCCAGGAAACATGGGTTTATTTGATCAACAGTTGGCACTTCAATGGGTCCAAAGAAAT
 ATAGCTGCTTTTGGAGGGAATCCTAAAAGTATAACGATTTTGGAGAAAGTGCAGGGGCAGCTTCAGTTA
 GCTTACATTTGCTCTGCCCCAAAGTTATCCTTTGTTTACCAGAGCCATTCTTGAAGTGCTCCTCTAA
 TGCCCCCTGGGCAGTAAAGCATCCTGAGGAAGCCAGAAACAGAACCTTGACCTTAGCTAAATTTACTGGT
 TGCTCAAAGGAAAATGAGATGGAGATGATTAATGCCTTCGAAGTAAAGATCCTCAGGAAATTTCTCGCA
 ATGAAAGGTTTCGTTCTCCCCTCTGATCCATCTTATCCATAAATTTGGTCCAACAGTGGATGGCGATTT
 TCTCACCAGATAGCCCCACACTACTCCAACAGGAAAAGTGAAGAAAGCTCAGATCTTAGTGGGAGTT
 AACAAAGATGAAGGGACAGCTTTCCTAGTGTACGGTCTCCGGGTTTCAGCAAAGACAATGATAGCCTTA
 TCACAAGGAAGGAATTTCAAGAAGGTTTAAATATGTATTTCCCTGGAGTGAGCAGATTGGCAAGGAAGC
 AGTTCTTTTCTACTACGTGGACTGGTTAGGTGAGCAGTACCAGAAGTCTACCGTACGCTTTGGATGAT
 GTTATTGGAGATTACAACATCATCTGCCCTGCACTGGAGTTTACCAAGAAATTTGCAGAGCTTGAAAACA
 ATGCTTTTTTCTACTTTTTCGAACATCGATCTTCCAAACTACCTTGCCCGGAATGGATGGGAGTGATGCA
 TGGCTATGAAATTGAATTTGTGTTGGCTTACCTCTGGGAAGAAGAGTTAATTATACGAGAGCTGAGGAA
 ATCTTTAGTCGATCCATAATGAAAACCTGGGCAAATTTGCAAAATATGGACATCCCAATGGGACCCAGG
 GCAATAGCACAATGTGGCTGTCTTCAAGTACTGAACAAAAATACCTAACATTGAACACAGAGAAGTC
 AAAAATACTCTAAACTTCGTGCTCCCAATGTCAGTTCTGGAGACTATTTTTCCAAAAGTCTTGAA
 ATGACAGGAGATATTGATGAAACGGAGCAAGAGTGAAGGAGGATTTTCATCGCTGGAGCAATTACATGA
 TGGACTGGCAAAATCAATTTAACGATTACACTAGCAAGAAAGAGAGCTGTACAGCTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_009738
- Insert Size:** 1812 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.

RefSeq: [NM_009738.3](#), [NP_033868.3](#)

RefSeq Size: 6209 bp

RefSeq ORF: 1812 bp

Locus ID: 12038

UniProt ID: [Q03311](#)

Cytogenetics: 3 E3

Gene Summary: Esterase with broad substrate specificity. Contributes to the inactivation of the neurotransmitter acetylcholine. Can degrade neurotoxic organophosphate esters. [UniProtKB/Swiss-Prot Function]