

## Product datasheet for MC201152

### Bcat2 (NM\_009737) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bcat2 (NM\_009737) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Bcat2  
**Synonyms:** Bcat(m); Bcat-2; Eca40  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC017688 sequence for NM\_009737  
 ATGGCTGCAGCCACACTAGGACAGGTCTGGGCCGAAAGCTTCTGCCTGTTCCCTGGCTTCTATGTGGGT  
 CCAAAGATGTGTCTCCATATTCAAGGCTGCAGACCTCCAGATTCAGATGACCAAAGAACCACAGAA  
 GAAGCCAGCCCTAGCCAGGCACCTGCTGTTGGGAAGACCTTACAGACCACATGCTGATGGTGGAGTGG  
 AATAACAAGGCTGGATGGGGCCCAAGGATCCAGCCCTTCCAGAACCTCACGCTACACCCAGCCTGCT  
 CTGGTCTGCACTACTCTCTGCAGCTCTTTGAGGGCTTGAAGCATACAAAGGTGGAGACCAGCAGGTACG  
 CCTCTTCCGGCCCTGGCTCAACATGGACAGGATGCTACGTTCTGCTAGGCCCTCTGCCTGCCAGACTTT  
 GACAAGCAGGAGCTGTTGGAGTGTATCCGCCAGCTCATTGAAGTAGACAAAGACTGGGTTCCCGATGGCA  
 ACGGAACGAGCCTCTACGTGCGGCCGTGCTGATCGGGAATGAGCCCTCGCTGGGTGTTGGTATGGTCAC  
 ACAAGCCCTCCTGTACGTCATTCTGTGCCCTGTGGCTCCTACTCCCTGGAGACTCCATGACACCTGTC  
 TCCCTCCTGGCGACCCCTTCATTCTGTAGGCTGGATAGGCGGAGTCGGTGACTGCAAGTTGGGGGGGA  
 ACTATGGACCCACTGTGGCTGTGACGCGAGAAGCCAGAAAGAGAGGCTGCGAGCAGGTCCTCTGGCTGTA  
 CGGGCCAGACCACAGCTCACTGAGGTGGGCACCATGAACATCTTTGTCTACTGGACCCATGAAGACGGA  
 GTACTGGAGCTGGTAACCCCCCACTGAATGGCGTCATCTTGCCTGGAGTAGTTCGACAAAGTCTGCTGG  
 ATCTGGCCAGGACTTGGGGTGGTTCGGGTGGCAGAACGCAAGGTCCTATGAAGGAATTGAAGCGGGC  
 GCTGGAGGAAGGCCGAGTGCAGAAAGTCTTCGGCTCAGGCACTGCTTGTGAGGCTGCCCCGTGACCAA  
 ATCCTGTATGAAGCAAGCAACTCCACATACCTACCATGGAGAACGGCCAGAGCTCATCTGCGCTTCC  
 AGAAGAACTGAAGGCTATTCAGTACGGAGCCAGTGCCACGATTGGATGTTTCGGGTGTGACGGTGGGG  
 GCTGTGCCCTCCCTGGTTGGATCTGCAGACGTGCCGCATCTAGTCCAGGCTCCTCGTCCCAGAGACTC  
 AAGAGAAGTGCAATAGGGAAAGGCTGTCCAGATGCTGGATCTCTGGCACCCCTCGTGGAGCTTACACT  
 CCAAAGCCTTAAGGGCGGGACCCATGCAATTTGGACGCCACCTCAAATTTTGGGTCTCAGGACTCAGCTG  
 CTCCGCTCCTGGTGTCAAGGGAGAACCTTGGCTTCTTCTCTATCTCCGTTCTCAGGCCGATCCCCGG  
 TGCTCTTCGTGCTTCCCCCCCCCCCCCTTTTCTCCGTAAGTGTGCAATTTTGAATAAAATGCCAAA  
 GAACAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_009737
<b>Insert Size:</b>	1182 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC017688</a> , <a href="#">AAH17688</a>
<b>RefSeq Size:</b>	1562 bp
<b>RefSeq ORF:</b>	1182 bp
<b>Locus ID:</b>	12036
<b>UniProt ID:</b>	<a href="#">O35855</a>
<b>Cytogenetics:</b>	7 29.36 cM
<b>Gene Summary:</b>	<p>Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine. May also function as a transporter of branched chain alpha-keto acids.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>