

Product datasheet for **RR209664**

Bcat2 (NM_022400) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bcat2 (NM_022400) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bcat2
Synonyms: Bcatm; BCT2; mBcat
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209664 representing NM_022400
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTGCAGCTATACTAGGACAGGTCTGGACCCGGAAGCTTCTGCCTATTCCTGGCGTCTATGTGTGC
CCGGAAGATGTGTCTCCAACCTCAAGGCGGCAGACCTCCAGGTTCCAGGTGACCAGAGAGCCACAGAA
GAAGCCAGCCCCTAGCCAGCCTCTGCTGTTGGGAAGACATTACGGACCACATGCTGATGTTGGAGTGG
AACAGCAAGACAGGCTGGGGCCCTCCAAGGATCCAGCCCTCCAGAACCTCACACTGCACCCAGCCTGCT
CCGGCCTGCACTACTCATTGCAGCTCTTTGAAGGCTTGAAGCTTATAAAGGCAGAGACAAGCAGGTACG
CCTCTCCGGCCCTGGCTCAACATGGACAGGATGCTACGTTCTGCAAGGCGCCTCTGCCTGCCAGACTTT
GACAAGCAGGAACTGCTGGAGTGATCCGCCAGCTCATTGAAGTAGACAAAGACTGGGTTCCCGATGGCA
ATGGAACAAGCCTCTATGTGCGGCCGGTGTCTATTGGAATGAGCCCTCCCTGGGTGTTGGAATGGTCAC
ACAAGCCCTCCTGTTCTGTCATTCTGTGCCCTGTGGGCTCCTACTCCCGGAGACTCCATGACACCTGTC
TCCCTCCTGGCGGACCCCTCATTGTCAGAGCCTGGATTGGTGGGTCGGTGACTGCAAGTTGGGGGGGA
ATTACGGCCCCACTGTGGCTGTGCAACAAGAAGCCAGAAGAAAGGCTGCGAGCAGGTCCCTCTGGCTGTA
CGGGCCGGACCACCAGCTCACCGAGGTGGGAACCATGAACATCTTTGTCTACTGGACTCATGAAGACGGA
GAACTGGAGCTGGCAACCCCCACTGGATGGCATCATCCTCCCGGAGTGGTTCGACAAAGCCTGCTGG
ATCTGGCCAGGACTTGGGGTGGTTCGGGTGGCAGAACGCAAGGTCCTATGAAGGAATTGAAGCGGGC
ACTGGAGGAGGGCCGGGTGCGAGAAGTCTTCGGCTCAGGCACTGCTTGTGAGGTCTGCCAGTGCACCAA
ATCCTATATGAAGCAAGCAACTCCACATTCCTACCATGGAAAATGGGCCGGAATCATCTCGCCTTCC
AGAAGGAGTTGAAGGCTATTCAGTACGGAACAGTGCCACGATTGGATGCTTCGTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1179 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_022400.1 , NP_071795.1
RefSeq Size:	1548 bp
RefSeq ORF:	1182 bp
Locus ID:	64203
UniProt ID:	O35854
Cytogenetics:	1q22
MW:	44.3 kDa
Gene Summary:	mitochondrial branched-chain-amino-acid transaminase [RGD, Feb 2006]