

Product datasheet for RN209664

Bcat2 (NM_022400) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcat2 (NM_022400) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bcat2
Synonyms:	Bcatm; BCT2; mBcat
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209664 representing NM_022400 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCTGCAGCTATACTAGGACAGGTCTGGACCCGGAAGCTTCTGCCTATTCCTGGCGTCTATGTGTGC
CCGGAAGATGTGTCTCCAACCTCAAGGCGGCAGACCTCCAGGTTAGGTGACCAGAGAGCCACAGAA
GAAGCCAGCCCCTAGCCAGCCTCTGCTGTTGGGAAGACATTCACGGACCACATGCTGATGGTGGAGTGG
AACAGCAAGACAGGCTGGGGCCCTCAAGGATCCAGCCCTCCAGAACCTCACACTGCACCCAGCCTGCT
CCGGCCTGCACTACTCATTGCAGCTCTTGAAGGCTTGAAGCTTATAAAGGCAGAGACAAGCAGGTACG
CCTCTCCGGCCCTGGCTCAACATGGACAGGATGCTACGTTCTGCAAGGCGCCTCTGCCTGCCAGACTTT
GACAAGCAGGAACTGCTGGAGTGATCCGCCAGCTCATTGAAGTAGACAAAGACTGGGTTCCCGATGGCA
ATGGAACAAGCCTCTATGTGCGGCCGGTCTTATTGAAATGAGCCCTCCCTGGGTGTTGGAATGGTACAC
ACAAGCCCTCCTGTTCTGTCATTCTGTGCCCTGTGGGCTCTACTTCCCGGAGACTCCATGACACCTGTC
TCCCTCCTGGCGGACCCCTCATTCTGTCAGAGCCTGGATTGGTGGGTGGTACTGCAAGTTGGGGGGGA
ATTACGGCCCACTGTGGCTGTGCAACAAGAAGCCAGAAGAAAGGCTGCGAGCAGGTCCCTCTGGCTGTA
CGGGCCGACCACCAGCTCACCGAGTGGGAACCATGAACATCTTGTCTACTGGACTCATGAAGACGGA
GAACTGGAGCTGGCAACCCCACTGGATGGCATCATCCTCCCGGAGTGGTTCGACAAAGCCTGCTGG
ATCTGGCCAGGACTTGGGGTGAAGTTCGGGTGGCAGAACGCAAGTCACTATGAAGGAATTAAGCGGGC
ACTGGAGGAGGGCCGGTGCAGAAAGTCTCGGCTCAGGCACTGCTTGTGAGGTCTGCCAGTGCACCAA
ATCCTATATGAAGGCAAGCAACTCCACATTCCTACCATGGAAAATGGCCGGAACATCCTGCGCTTCC
AGAAGGAGTTGAAGGCTATTCAGTACGGAACAGTGCCACGATTGGATGCTTCTGTGTGA

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1257_a04.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022400
Insert Size:	1182 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:	<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
Gene Summary:	mitochondrial branched-chain-amino-acid transaminase [RGD, Feb 2006]