

Product datasheet for RN214913

Bcat1 (NM_017253) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcat1 (NM_017253) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bcat1
Synonyms:	Bcatc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214913 representing NM_017253 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTACTTGTCCCGGCAACTGCAACCCTGGCCCGCCAGGACTGCAGTAATGGATGTTTCGGCATCGT
ATGCTGAAGAAGAAGAATTAGAAGCTTCGACCCGAGTCGTATGATGAAGAAGGAGGATCAGAAGCTTCGAC
CCAGACGTTTAGGGCCAAAGATCTCATTATCACAAAAGCCGATGTCTTAAAAAAGAAGCCCGACCCAGC
TCGCTGGTCTTTGGAGCTTCGTTCACTGACCACATGCTGATGGTGGAGTGGACCTCAAGTATGGATGGG
ATAAGCCTCACATCAAGCCTTTTAAAACCTTGTCCATACATCCCGCTGCCTCTGTTTTGCACTATGCTGT
GGAATTGTTTGAAGGCTTGAAGGCTTTTCGGGGAGTTGATAACAAGATCCGATTGTTCCGGCCGGACCTC
AACATGAAAAGAATGTGCCGATCTGCCGTGAGGACCACCTCTGCCGGAGTTTGACAAGGAGGAGCTTCTGC
AATGCGTCTTTCAGCTCATAAGCTCGACCCGAGAGTGGTCCCCTACTCAACCTCTGCCAGTCTGTACAT
CCGCCCCACATTCATCGGGATTGAGCCATCGCTTGGAGTCAAGAAGCCTTCTAAAGCTCTGCTCTTTGTG
ATTTTGAGCCCGTGGGATCTTATTTTTCTAATGGGACCTTTTCTCCGGTGTCCCTGTGGGCCAACCCAA
AGTTCGTCAGATCCTGAAAAGTGGGACTGGAGACTTCAAGATGGGCTGCAACTATGGATCTTCCCTTCT
GGCGCAGTGTGAGGCGGCAGAGAACGGCTGTACCAGGTCCTGTGGCTGTACGGCAAGGAAAACCGGATA
ACTGAAGTGGGCACGATGAATCTTCTTCTACTGGATAAACAAGATGGAGAAGAAGAAGTGGGACCGC
CTCCGCTAGATGGCGTATTCTCCAGGAGTCACTCGGCAGAGCATCCTGGAGCTGGGAGAAGAGTGGGG
CGAGTTTAAGGTGTGCGAGAGACACATCACCATGGATGACCTGTCCACCGCCCTGGAGGAGAACAGAGTG
AAGGAGATGTTCCGGCTCGGGACAGCCTGCGTTGTCTGCCAGTGGCAGTATTCTGTACAAGGGCCAGA
TGCTGCACATTCCAACCATGGAGAATGGCCACAAGCTTTCAAGTCGCATCATGGCAAAGTTGACTGATAT
CCAGTATGGACGGATCAAGAGCGAATGGACACTGGAGTTGCC**TAA**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1260_b03.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017253
Insert Size:	1236 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_017253.2 , NP_058949.1
RefSeq Size:	2490 bp
RefSeq ORF:	1236 bp
Locus ID:	29592
UniProt ID:	P54690
Cytogenetics:	4q44
Gene Summary:	catalyzes the conversion of L-leucine and 2-oxoglutarate to 4-methyl-2-oxopentanoate and L-glutamate; may be involved in response to neuronal injury [RGD, Feb 2006]