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Product datasheet for MC219081

Bco1 (NM_021486) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bco1 (NM_021486) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bco1
Synonyms:	Bcd; Bcdo; Bcdo1; Bcmo; Bcmo1; beta-C; beta-CD; betaCM; betaCMOOX; Cm; CMO1; Cmoi
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC219081 representing NM_021486
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGATAATATTTGGCCAGAATAAGAAAGAACAGCTGGAGCCAGTTCAGGCCAAAGTGACAGGCAGCA
TTCCAGCATGGCTGCAGGGGACCCTGCTCCGAAACGGGCCCGGGATGCACACAGTGGGAGAGAGCAAGTA
CAACCATTGGTTTGATGGCCTGGCCCTTCTCCACAGTTTCTCCATCAGAGATGGGGAGGTCTTCTACAGG
AGCAAATACCTGCAGAGTGACACCTACATCGCCAACATTGAGGCCAACAGAATCGTGGTGTCTGAGTTCG
GAACCATGGCCTACCCGGACCCCTGCAAAAACATCTTTTCCAAAGCTTTCTCCTACTTGTCTCACACCAT
CCCCGACTTCACAGACAACTGTCTGATCAACATCATGAAATGTGGAGAAGACTTCTATGCAACCACGGAG
ACCAACTACATCAGGAAAATCGACCCCCAGACCCTAGAGACCTTGGAGAAGGTTGATTACCGGAAGTATG
TGGCGGTAAACCTGGCTACCTCGCACCCTCATTATGACGAGGCTGGGAATGTCCTTAACATGGGCACATC
CGTCGTGGACAAAGGGAGGACAAAATACGTGATATTTAAGATCCCTGCCACAGTGCCAGACAGCAAGAAG
AAAGGGAAGAGTCCCGTGAAGCACGCGGAAGTTTTCTGCTCCATTTCCTCCCGCTCGTTGCTCTCTCCCA
GCTACTACCACAGCTTTGGTGTCACGGAGAACTATGTGGTGTTTCTGGAGCAGCCTTTTAAGTTGGATAT
CCTCAAGATGGCCACCGCATACATGAGGGGAGTGAGCTGGGCTTCCTGTATGTCATTCGACAGGGAGGAC
AAGACATACATTCATATCATCGACCAGAGGACCAGGAAGCCTGTGCCTACCAAGTTCTACACAGATCCCA
TGGTGGTCTTCCATCATGTCAATGCCTACGAGGAGGACGGCTGTGTGCTGTTTGATGTGATCGCCTATGA
GGACAGCAGCCTCTATCAGCTCTTCTACCTGGCCAACCTGAACAAGGACTTCGAGGAGAAGTCCAGGCTG
ACCTCAGTGCCTACCCTCAGGAGGTTTGCTGTGCCCCTCCATGTGGACAAGGATGCAGAAGTGGGCTCAA
ATTTAGTCAAGGTGTCATCTACAACTGCAACAGCCCTGAAGGAGAAAGACGGCCATGTCTATTGCCAGCC
CGAGGTCCTCTACGAAGGCCTAGAGCTCCCTCGGATAAATTATGCTTACAACGGGAAGCCATATCGCTAC
ATCTTTGCAGCTGAAGTACAGTGGAGTCCAGTCCCAACCAAGATACTGAAATATGACATTCTCACAAAGT
CCTCCTTAAAGTGGTCTGAGGAGAGCTGCTGGCCAGCAGAGCCTCTGTTTGTTCCCACGCCAGGTGCGAA
GGATGAAGATGATGGAGTCATTTTATCAGCCATCGTCTCTACGGATCCCCAAAAGCTGCCTTTTTTACTC
ATTCTGGATGCCAAAAGTTTTACGGAACTGGCTCGCGCCTCTGTTGATGCGGACATGCACCTGGACCTTC
ATGGTTTATTTATCCCAGATGCAGACTGGAATGCAGTGAAGCAGACTCCAGCTGAAACGCAAGAGGTTGA
AAACTCAGATCATCCCACAGATCCGACAGCACCAGAACTGAGCCACAGTGAAAATGACTTCACAGCGGGT
CATGGTGGCTCAAGTCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021486

Insert Size: 1701 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_021486.3, NP_067461.2
RefSeq Size:	2327 bp
RefSeq ORF:	1701 bp
Locus ID:	63857
UniProt ID:	Q9JJS6
Cytogenetics:	8 E1
Gene Summary:	Vitamin A metabolism is important for vital processes such as vision, embryonic development, cell differentiation, and membrane and skin protection. The protein encoded by this gene is a key enzyme in beta-carotene metabolism to vitamin A. It catalyzes the oxidative cleavage of beta,beta-carotene into two retinal molecules. Two alternatively spliced variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009] Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.