

Product datasheet for **MC203150**

Ceacam2 (NM_007543) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ceacam2 (NM_007543) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ceacam2
Synonyms:	A1267129; Bgp2; Ceacam2-L
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC024320
 GACCCACGCGTCCGCCACGCGTCCGAGAAGCTAGCAGGCAGAAGAGACATGGAGCTGGCCTCAGCACAT
 CTCCACAAAGGGCAGGTTCCCTGGTTTGGACTACTGCTCACAGCCTCACTTTTAGCCTCCTGGAGCCCTC
 CCACCACTGCACAAGTGACTGTTATGGCTTTTCCACTCCACGCTGCTGAAGGCAACAATGTTATTCTAGT
 TGTTTACAATATGATGAAGGGAGTCTCGGCCTTAGCTGGCACAAGGGATCTACTACGTCTACAAATGCT
 GAAATTTGACGATTTGTAAACAGGCACTAATAAGACTATAAAAGGGCCTGTACACAGTGGCAGAGAGACAC
 TATACAGCAATGGATCCCTGCTCATCAAAGGGTCACCATGAAGGATACGGGAGTCTACACAATAGAAAT
 GACAGATCAAAACTATCGTCGTAGGGTCTGACTGGACAATTTTCATGTACACAAGCCAGTACTCAGCCC
 TCCTCCAAGTCAACACACCACAGTCAAAGAAGTACTCTGTACCCTGACCTGCTTGTGAAAGACC
 GTCAAGCCACATCCATTGGATCTTCAACAATGATACTCTTCTAATCACAGAGAAGATGACAACCTCTCA
 GGCGGGACTCATCTCAAATAGACCCTATTAAGAGGGAAGATGCCGGCAGTATCAGTGTGAAATCTCG
 AATCCAGTCAAGGAGCAACTCAATCAAAGTAAATATTTGACTCAACATATGACATTT
 CAGATGTCCCATTTGCTGTAATCATAACTGGAGCTGTGGCCGGGTGATTCTAATAGCAGGGCTGGCATA
 TCGCCTCTGTTCCAGGAAGTCTCGCTGATCTGGCTCCTTCTGACAACCTCTCTAACAAAGGTGGATGACGT
 CGCATACACTGTCTGAACTTCAATCCAGCAACCCAAACGGCCAACCTCAGCCCCTTCTCTCCAAGA
 GCCACAGAAACAGTTTATTCAGAAGTAAAAAGAAGTGAAGTAAATCTGTCCGTCTGTCCCTGCTGGCTGC
 ACCAGTGTGATTCCCAGATTCTCCTCCTCACTGGAGGGTCTCTGCACACACACACACACACACACACA
 CACACACACACACACACACACACACTCACTCATGATTTACTCTGTGACTCCTTCAGTGTCTATA
 GAAGAAAAGGTGGATCCTGGAGCCTACAGAAAACCAACCCTTCTAGGCTTTCAAATTTGGCTGAGAGTG
 AGGTATCAAAATTTCTCACCCCTTCACTTTCTGACCCAGACTGTTTAAAATTTGACCTATTCAGAGCACC
 TTCATTTCCCTCCAACCTCAAGTCTGCCCTGTGAGTCTGACTTGAATTTCCATAAACCTTTGGAGGT
 CACCTAAGTGCTTACGCCAAAACAAAACAAAACAAAACAAAACAGAGCAGGAAATGGCCAGTCCCATCTC
 TTTAAAGGCTGATTGGAAGCCACCACACATGAGAAGATCAAACCTCCATGGGCAATCTACACACCCGACA
 ACTGTGCTGCTTACCCATCTGGGGCATTGAGTCTCTGAACCTTGTGCTCAGCCTGAGCCCTTCTCT
 GAGCCCTTCTCCAGAAAATCCACTCACAGCAACTAGAGAGGCTCTTTGTGAGCAACTCCAAGCAAATGCT
 TAGGCAGGATTCAGAAGAAAAGACAGCATCTCTAACATCCACCAGGAAGGTGCCAGAAAAGCAGAGCTG
 GTGACTTTGGACTGACAGACATCTGGAGTGTGAAAAAGCAGCACAGAGCTAACCTTCGGAGAGTGTGAA
 ATTATTTGAAAAGAAGCCATATTTGGAGGTATTGGAGTTTTCTCTTTCTGAGACAATCCACTATTTGAA
 AATTGTAGCTACTGAATTGCCTCTCAGTATGCAAGCTGATCATTGCTTAGGGCCACTAGATTTCTGT
 CTCCTTTGGCCCTCAAGCCCTTTTGTATGAGTCCCAAACAAAATAAATGAACACTGAGGCAGTCC
 CTTGCAGAACCTGTATGGGTGAGGTAAGCCTCCTGCTTTTCTGAATTAGTCAAGAAAAGCCTTGGT
 TTCCCTTTTTCCATCTTTTTATCTTGTCTTTCAGATACTGGCCAGAGCCTGGACACTCTTCTCTGAGAT
 CTCCAGCTTCTGCTTCTTGTGTTTTCTTTAAACTCTAACAAAACCTGTTCTCACCTTCAAAAATAA
 AATAATAACAAGCTTTCCACATCCCACCAAAGAGGGACCCAGCTAGGTTTCTGGGAACCCAGCACCAGC
 CTCCAGCTGCCCTTCTGCAGTGTCTGCTCTGTTTCCCTTTGCTTTTACTTTTTCTTCTTTTGTGAG
 ACAGAGTTCAGCATGGAGCCTGTGCAGGTTTCAATCCCACAGTAACACCTTCTGCAGCACCCCACTGC
 TCAGACTGCAGCCTGGCCACCAGGCTGGCTACCTGGACATTCTGTCTGCTGCTGCACTCTCAGGAAACC
 TTGGCCTCTGCTACTGTCTGTTTGGCTCATTCAAAGTGTGCTTAAAGGAATGCAGTCAACCATGCCAG
 AGGCAGTGTTTACAGCCTGGAATGCTCTGCACTTCCAGTGGACCAGTGTCCACCCGGAAGTGGGCTGTTA
 GCAGGGTCTCTACCTGGCCCTGGCCTTCTGTAGCCTTGAATCCTGCCTTCCCACCAGGCAACAGG
 GATGAGTGCAGCAGCAGGAGGAGGCAACAGTCACCTCAGGAACCTTCTGAGCTAAGGCACACCTCT
 GTGCCCTGTCAAGCAAAGTTGTATTGGATATCAAGTGTGTTGCTCACGCCAAGCCAACAGGCTTTGGAG
 AGAATTAATTAGTTCTCTACTCAGGATTTCTTTCAGTCTAACACAGCCTGTGTATATTTTGTCTCAC
 CCACGCAATGCTGGATTATTAATTTTGGCCGGCTTAAGACAAATCTGAGTACTTGAAATTTGCTCTA
 TGTTTCATAAAAAAAGTTCATTATATATCACTGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_007543
Insert Size: 819 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:	BC024320 , AAH24320
RefSeq Size:	3058 bp
RefSeq ORF:	819 bp
Locus ID:	26367
UniProt ID:	Q925P2
Cytogenetics:	7 13.87 cM
Gene Summary:	<p>Controls energy balance and peripheral insulin action. Involved in the regulation of feeding behavior particularly in the ventromedial nucleus of hypothalamus (VMH) regulation of food intake. Has a role in the regulation of metabolic rate and insulin sensitivity or resistance via effects on brown adipogenesis, sympathetic nervous outflow to brown adipose tissue, spontaneous activity and energy expenditure in skeletal muscle. In case of murine coronavirus (MHV) infection, does probably not serve as functional receptor for the virus. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift and early stop codon. The resulting protein (isoform c) is shorter than isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>