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Product datasheet for MC210458

Acad8 (NM_025862) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acad8 (NM_025862) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acad8
Synonyms:	2310016C19Rik; AI786953
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC210458 representing NM_025862
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGATGTTGCGGTCCGGATACAGGCGCTTTGGCTGTCTGCGCGCGGCACTCAAGTCCCTGGCTCAGA
CCCACCACCGGAGCATCACCTTCTGCATCGATCCTTCCTTGGGGCTAAATGAAGAACAGAAAGGATTTCA
GAAAGTGGCCTTTGACTTTGCAGCTCGGGAAATGGCTCCCAATATGGCGGAGTGGGATCAGAAGGAGCTG
TTCCCTGTGGATGTGATGCGGAAGGCTGCACAGCTGGGATTTGGGGGGGTCTATGTGCGAACAGATGTGG
GTGGATCTGGACTGTCTCGCCTTGATACTTCTGTCATCTTTGAAGCCTTGGCCACAGGCTGCACCAGCAC
CACTGCCTATATAAGCATCCACAACATGTGTGCCTGGATGATTGATAGCTTTGGAAATGAGGAACAGAGG
CACAAATTTTGCCCACCGCTCTGTACCATGGAGAAGTTTGCTTCCTACTGCCTCACTGAACCAGGCAGTG
GGAGTGATGCTGCATCTCTTCTGACCTCAGCTAAACAACAAGGAGATCATTACATCCTCAATGGTTCCAA
GGCCTTCATCAGTGGGGGAGGTGAGTCAGACATCTATGTGGTCATGTGCCGAACTGGTGAGTCTGGCGCC
AAAGGTATCTCCTGCATAGTTGTTGAGAAAGGAACCCCTGGTCTCAGCTTTGGCAAGAAGGAGAAGAAGG
TGGGGTGGAACTCGCAGCCAACCCGAGCAGTGATCTTTGAAGACTGTGCTGTCCCTGTGGCCAACAGGAT
TGGGACCGAGGGGCAGGGTTTTCTCATCGCCATGAAAGGACTGAATGGTGGAAGGATCAATGTTGCATCC
TGCTCTCTGGGAGCCGCTCATGCTTCAGTTATCCTAACCCAAGAACACCTCAAGGTCCGCAAGCAGTTTG
GAGCACCTTTGGCCAGAAGCCAGTACCTCCAATTCCAGTTGGCAGATATGGCCACCAAGCTAGTTGCTTC
CCGGCTGATGATCCGTACTGCAGCAGTGGCTTTGCAGGAAGAGCGGGAAGATGCAGTGGCCCTGTGTTCC
ATGGCCAAGCTCTTTGCTACAGAGGAGTGCTTTGCTATCTGCAACCAGGCTTTGCAGATGCATGGGGGCT
ACGGCTATCTGAAGGACTATGCTGTTCAACAGTATATGCGGGACTCCAGGGTCCACCAGATCCTAGAAGG
TAGCAATGAAGTGATGAGGATGCTGATCTCTCGAAACCTGCTTCAGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_025862
Insert Size:	1242 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_025862.2, NP_080138.2
RefSeq Size:	2865 bp
RefSeq ORF:	1242 bp
Locus ID:	66948
UniProt ID:	Q9D7B6
Cytogenetics:	9 A4
Gene Summary:	Has very high activity toward isobutyryl-CoA. Is an isobutyryl-CoA dehydrogenase that functions in valine catabolism (By similarity).[UniProtKB/Swiss-Prot Function]

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