

## Product datasheet for **MR206889**

### Acadsb (NM\_025826) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Acadsb (NM_025826) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                   |
| Symbol:                   | Acadsb                                    |
| Synonyms:                 | 2-MEBCAD; 1300003O09Rik; BB066609; SBCAD  |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-Entry (PS100001)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



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**ORF Nucleotide Sequence:**

>MR206889 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGTCTCTGCGCTCCAGCTGTGGCGTATGGCGGGCTGCTGAGAAGACGTTCCCAACCTGCTTGT  
 CTTCTTGAAGATTCTCTCGTGTCTCAAATCCTCACAAACCGAAGCTCTAGTCAGTCTGACAAACAA  
 TGCACTGGCCTTTGCACCTCTGCAGACACTTACTGATGAGGAAATTATGATGAAGCAGACAGTCAAAAA  
 TTTGCACAGGAGCACGTTGCTCCTCTGGTTTCTCTATGGATGAGAAGTCAAAAAATGGAGAAATCGGTGA  
 TCCAGGGATTGTTCCAGCAAGGGCTGATGGGCATTGAAGTTGAAGCACAAATATGGAGGGACAGAAGCTTC  
 CTTTTCTGCTCTGTCTAGTATAGAGGAAGTCTAAGGTGGATGCCTCGGTGGCTCTCTGTGTGAC  
 ATCCAGAACACAATAATTAACAACCTGTTAGAAAACACGCTTCAGAAGAACAGAAGGCCACCTATTTGC  
 CAAAGCTGGTTACAGAAAAATTAGGGAGCTTTTGCCTTTCTGAAGCTGGAGCCGGTAGCGACTCTTTTGC  
 TATGAAAACAAGAGCTGATAAAAGTGGAAATTACTACGTCCTCAATGGGTGGAAGATGTGGATCAGCCAT  
 GCCGAGCATGCAGAGCTCTTCTGGTCTTCGCCAATGTGGACCCAGCTCTGGCTACAGAGGCATCACCT  
 GCTTCTTAGTAGACCGAGATACAGAAGTTTCCAGATAGGGAAACGAGAAAATAAAATGGGCATCAGAGC  
 TTCATCCACCTGTGAGTTAACATTTGAAAATGTTAAGGTTCCAGAGACTAATATTTGGGAAAAATTGGG  
 CATGGTTATAAGTATGCCATAGGAAGTCTTAATGAAGGTAGAATCGGAATTGCTGCACAGATGCTAGGAC  
 TGGCCCAAGGATGTTTGGACTACACTATTCATACATTAAGAAAGGATGCAGTTTGGCAAACGAATATT  
 TGATTTTCAAGGGCTCCAACACCAAGTGGCTCAGGTGGCCACCCAGCTGGAAGCCACACGGTTGCTAACA  
 TACAACGCTGCTAGGCTCGTAGAAGCCGGAAGGCCATTTATAAAGAAGCATCTATGGCCAAATATTATG  
 CATCCGAGGTCGCTGGGCTAACAAACAAGCAAGTGCATCGAGTGGATGGGAGGGGTTGGCTACACCAAGA  
 TTACCCTGTGGAGAAATTCTCCGAGATGCCAAGATTGGTACAATATATGAAGGAGCTTCCAACATCCAG  
 CTGAACCCATCGCCAAGCACATCGATGCAGAGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206889 protein sequence  
 Red=Cloning site Green=Tags(s)

MAVSALQLWRMGLLRRRFPTCLSSWKIPPRVLKSSQPEALVSLTNNALAFAPLQTLTDEEIMMKQTVKK  
 FAQEHVAPLVSSMDENSKMEKSVIQGLFQQGLMGIEVEAQYGGTEASFFCSVLVIEELAKVDASVALLCD  
 IQNTIINNLFRKHASEEQKATYLPKLVTEKLGSLSEAGAGSDFSAMKTRADKSGNYVYVNLGSKMWISH  
 AEHAELFLVFANVDPSSGYRGITCFLVDRDTEGFQIGKRENKMIRASSTCQLTFENVKVPETNILGKIG  
 HGYKYAIGSLNEGRIGIAAQMGLAQGCFDYTIPIYIKERMQFGKRIFDFQGLQHQAQVATQLEATRLLT  
 YNAARLVEAGRPFKEASMAKYYASEVAGLTTSKCIEMMGVGYTKDYPVEKFFRDAKIGTIYEGASNIQ  
 LNTIAKHIDAEY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

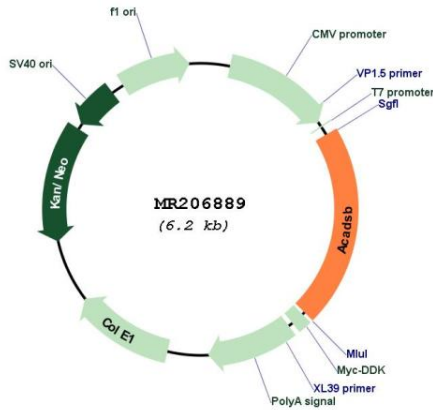
SgfI-MluI



MW: 47.9 kDa

Gene Summary: Has greatest activity toward short branched chain acyl-CoA derivative such as (s)-2-methylbutyryl-CoA, isobutyryl-CoA, and 2-methylhexanoyl-CoA as well as toward short straight chain acyl-CoAs such as butyryl-CoA and hexanoyl-CoA. Can use valproyl-CoA as substrate and may play a role in controlling the metabolic flux of valproic acid in the development of toxicity of this agent (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206889