

## Product datasheet for **SC123163**

### ADAD2 (NM\_139174) Human Untagged Clone

#### Product data:

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | ADAD2 (NM_139174) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | ADAD2                                  |
| Synonyms:                 | TENRL                                  |
| Mammalian Cell Selection: | None                                   |
| Vector:                   | <u>pCMV6-XL5</u>                       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |



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**Fully Sequenced ORF:**

>OriGene sequence for NM\_139174 edited  
GGCGAGAGCAGCGCAGATAGGGCCTAGCGCCTCAGATCTTCGTTGGCGGCCATGGCTTC  
GGCTTCTCAGGGCGCTGACGACGACGGCAGTCGTAGGAAGCCCCGCTGGCTGCATCGTT  
GCAGATCAGCCCCAGCCCCGCCCTGGCGACCGCTACCCGCCAGGCCCAAAGTGCCTG  
GGGGCCCCGCGCCGCGCCCGCAGCTATCGCGCGGAGGGCGGGTGGCCCCAGGTCTCGGT  
GTTGAGGGACAGTGGGCTGGGGCAGGGCCGGAGTCGGGGAAC TGGGGCAGCCCCGGG  
GTGGGAAAAC TGGGGGAACAGATGGGGAAGCCCCGAGGTCCCTGTGCCCCCAGCAGG  
GCTCAGCCTGCCGCTCAAAGACCCACCTGCCAGCCAGGCCGTGCTTGTCTCACGGAGTA  
CGCGGCCAGCCTGGGCATCTTCCTGCTCTTCGGGAGGACCAGCCACAGGTCCCTGCTT  
CCCCCTTCGCTGAGCGCGGAAC TGGATGGGGTGGTCTGCCCTGCGGGCACTGCGAATAG  
CAAGACGGAGGCCAAACAGCAGGCAGCGCTCTCTGCCCTCTGCTACATCCGGAGTCAGCT  
GGAGAACCAGAGTCCCCCAGACCTCCAGCCGGCCTCCACTGGCCCCCTGAGCGTAGA  
GAACATCTGACCCATGAGCAGCGCTGCGCAGCGTTGGTGAAGCGCCGCTTTGACCTCT  
GTTGGACGAGCGCTCGCCATACTGGGCCTGTAAGGGGACTGTGGCTGGAGTCATCCTGGA  
GAGGGAGATCCCGCTGCCAGGGGCCACGTGAAGGAGATCTACAAGCTGGTGGCTCTGGG  
CACC GG CAGCAGCTGCTGTGCTGGCTGGCTGGAGTTCTCGGGCCAGCAGCTCCACGACTG  
CCATGGCCTGGTCATCGCCCCGAGGGCCCTGCTGAGGTTCTTGTTCCGGCAGCTCCTGCT  
GGCCACACAGGGGGGCCCAAGGGCAAGGAGCAGTCCGTGCTGGCCCCCAGCCAGGGCC  
CGGACCCCATTCACCTCAAGCCCCGCGTCTTCTGCACCTCTACATCAGCAACACCCC  
CAAGGGCGCGGCCGTGACATCTACCTGCCCCCACCCTCGGAAGGTGGCTCCCGCACAG  
CCCACCCATGCGCCTGACGGCCCATGTGCTCGGGCAGCTGAAGCCTGTGTGCTACGTGGC  
GCCCTCGCTCTGTGACACCCACGTGGGCTGCCTGTCAGCCAGCGACAAGCTGGCAGCTG  
GGCCGTGCTGGGGCTGGGTGGTGCCTGCTGGCCACCTGGTGTCCCCACTCTACAGCAC  
CAGCCTCATCCTGGCTGACTCATGCCACGACCCTCCGACTCTGAGCAGGGCCATCCACAC  
CCGGCCCTGCCTGGACAGTGTCTGGGGCCATGCCTGCCACCTCCCTACGTCCGGACCGC  
CCTGCACCTGTTTGCAGGGCCCCCGGTGGCCCTTCCGAACCCACCCCTGACACCTGCCG  
TGGCCTGAGCCTCAACTGGAGCCTGGGGGACCCTGGCATCGAGGTTGTGGATGTGGCCAC  
CGGGCGTGTGAAGGCCAATGCCGCCCTGGGGCCTCCCTCCCGTCTCTGCAAGGCCTCCTT  
TCTCCGGGCCTTTACCAGGCGGCCAGGGCTGTGGGAAGCCCTACCTCCTGGCCTTGAA  
GACCTACGAGGCTGCCAAGGCTGGGCCCTACCAGGAGGCTCGCAGGCAGCTGTCTCTCT  
CCTGGACCAGCAGGGCCTGGGGCTTGGCCCTCGAAGCCACTGGTGGGCAAATTCAGAAA  
CTGAAGCCAGCCTCGGCGGGACCGAGGTCCCGGAGCCAAGCTGTACCCCTGCTGGGGGAG  
TGCCCTATCTGAGGAGCGTTGTGGGGAGAACATGGGTTGTGCGGGGTAAACTGGGGCTG  
GAGGGAAGGAGGAGCCTGCTGTGGTTGGGAGGCGGCTGCTGCACGTTTGGGCTTGAATAA  
AGAAGTATTTCTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_139174 unedited</p> <pre> AGTCAGAAATTTGTATACGACTCATATAGGGCGGCCGCGATTCCCGGGATGGCGAGAGCAG CGCGAGATAGGGCCTAGCGCCTCAGATCTTCGTTGGCGGCCATGGCTTCGGCTTCTCAGG GCGCTGACGACGACGGCAGTCGTAGGAAGCCCCGCTGGCTGCATCGTTGCAGATCAGCC CCCAGCCCCGCCCTGGCGACCGCTACCCGCCAGGCCCAAAGTGCCTGGGGGCCCGCGC CCGCGCCCCGCGACGTATCGCGCGAGGGCGGGTGGCCCCAGGTCTCGGTGTTGAGGGACA GTGGGCTTGGGGCAGGGGCCGAGTCGGGGAAGTGGGGCAGCCCGGGCTGGGAAAACT TGGGGGAACAGATGGGGAAGGCCCGAGGGTCCCTGTGCCCCCAGCAGGGCTCAGCCTGC CGCTCAAAGACCCACCTGCCAGCCAGGCCGTGTCTTGCTCACGAGTACGCGGCCAGCC TGGGCATCTTCTGCTCTTCCGGGAGGACCAGCCACCAGGTCCCTGCTTCCCTTCTCGG TGAGCGCGGAAGTGGATGGGGTGGTCTGCCCTGCGGGCACTGCGAATAGCAAGACGGAGG CCAAACAGCAGGCAGCGCTCTTGCCCTCTGCTACATCCGGAGTCAGCTGGAGAACCAG AGTCCCCCAGACCTCCAGCCGGCTCCACTGGCCCCCTGAGCGTAGAGAACATCTGA CCCATGAGCAGCGCTGCGCAGCGTTGGTGAGCGCCGGCTTGACCTCTGTTGGACGAGC GCTCGCCATACTGGGCCGTGAAGGGGACTGTGGCTGGAGTCATCTGGAGAGGGAGATCC CGCGTGCCAGGGGCCACGTGAAGGAGATCTACAAGCTGGTGGCTCTGGGACCCGGCAGCA NCTGCTGTGCTGGCTGGCTTGAATTCTGGT </pre> |
| <b>Restriction Sites:</b>           | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ACCN:</b>                        | NM_139174                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Insert Size:</b>                 | 2077 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>OTI Disclaimer:</b>              | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq:</b>                      | <u><a href="#">NM_139174.2</a></u> , <u><a href="#">NP_631913.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>                 | 2283 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq ORF:</b>                  | 1998 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Locus ID:</b>                    | 161931                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>                  | <u><a href="#">Q8NCV1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>                | 16q24.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |