

## Product datasheet for **TP323793M**

### ACAD11 (NM\_032169) Human Recombinant Protein

#### Product data:

|                                       |                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                          |
| Description:                          | Recombinant protein of human acyl-Coenzyme A dehydrogenase family, member 11 (ACAD11), 100 µg |
| Species:                              | Human                                                                                         |
| Expression Host:                      | HEK293T                                                                                       |
| Expression cDNA Clone or AA Sequence: | >RC223793 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                  |

MKPGATGESDLAEVLPQHKFDSKSLEAYLNQHLSGFGAEREATLTIAQYRAGKSNPTFYLQKGFQTYVLR  
KKPPGSLLPKAHQIDREFKVQKALFSIGFPVPKPILYCSDTSVIGTEFYVMEHVQGRIFRDLTIPGLSPA  
ERSAIYVATVETLAQLHSLNIQSLQLEGYGIGAGYCKRQVSTWTKQYQAAAHQDIPAMQQLSEWLMKNLP  
DNDNEENLIHGDFRLDNIVFHPKECRVIAVLDWELSTIGHPLSDLAHFSLFYFWPRTVPMINQGSYSSENS  
GIPSMEELISYCRCRGINSILPNWNFFLALSIFYFKMAGIAQGVYSRYLLGNNSSEDSFLFANIVQPLAET  
GLQLSKRTFSTVLPQIDTTGQLFVQTRKQVEVLIVKHFQKQHILPAEKEVTEFYVQVQNSVDKWKGPLV  
IDKLKEMAKVEGLWNLFLPAVSGLSHVDYALIAEETGKCFAPDVFNCPAPDTGNMEVLHLYGSEEQKKQ  
WLEPLLQGNITSCFCMTEPDVASSDATNIECSIQRDEDSYINGKKWWSSGAGNPKCKIAIVLGRQTNTS  
LSRHKQHSMILVPMNTPGVKIIIRPLSVFGYTDNFDHGGHFEIHFNQVRVPATNLILGEGRGFEISQGRGLP  
GRIHHC MRTVGLAERALQIMCERATQRIAFKKKLYAHEVVAHWIAESRIAIEKIRLLTLKAAHSMDTLGS  
AGAKKEIAMIKVAAPRAVSKIVDWAIQVCGGAGVSQDYPLANMYAITRVLRLADGPDVHLSAIATMELR  
DQAKRLTAKI

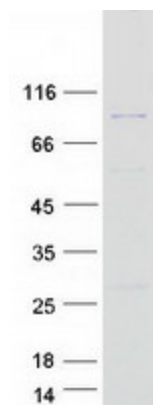
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------|
| Tag:           | C-Myc/DDK                                                                                                        |
| Predicted MW:  | 87.1 kDa                                                                                                         |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method                                                               |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                      |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                             |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |



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|                          |                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Note:</b>             | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                                                                                                                                   |
| <b>Storage:</b>          | Store at -80°C.                                                                                                                                                                                                                                                                        |
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                          |
| <b>RefSeq:</b>           | <a href="#">NP_115545</a>                                                                                                                                                                                                                                                              |
| <b>Locus ID:</b>         | 84129                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>       | <a href="#">Q709F0</a>                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>      | 3556                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>     | 3q22.1                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>       | 2340                                                                                                                                                                                                                                                                                   |
| <b>Synonyms:</b>         | ACAD-11                                                                                                                                                                                                                                                                                |
| <b>Summary:</b>          | This gene encodes an acyl-CoA dehydrogenase enzyme with a preference for carbon chain lengths between 20 and 26. Naturally occurring read-through transcription occurs between the upstream gene NPHP3 (nephronophthisis 3 (adolescent)) and this gene. [provided by RefSeq, Aug 2015] |
| <b>Protein Families:</b> | Druggable Genome                                                                                                                                                                                                                                                                       |

**Product images:**

Coomassie blue staining of purified ACAD11 protein (Cat# [TP323793]). The protein was produced from HEK293T cells transfected with ACAD11 cDNA clone (Cat# [RC223793]) using MegaTran 2.0 (Cat# [TT210002]).