

## Recombinant Mouse Acmsd Protein, His-tagged

**Cat. No.** Acmsd-41M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Acmsd Protein (Met1-Glu336) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Met1-Glu336                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Predicted to enable aminocarboxymuconate-semialdehyde decarboxylase activity and zinc ion binding activity. Predicted to be involved in several processes, including aging; negative regulation of quinolinate biosynthetic process; and tryptophan catabolic process. Predicted to act upstream of or within quinolinate metabolic process. Predicted to be active in cytosol. Orthologous to human ACMSD (aminocarboxymuconate semialdehyde decarboxylase). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 41.7 kDa<br>Accurate Molecular Mass: 42 kDa                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | <a href="#">Acmsd</a> amino carboxymuconate semialdehyde decarboxylase [ <a href="#">Mus musculus</a> (house mouse) ]                                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | <a href="#">Acmsd</a>                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | ACMSD; amino carboxymuconate semialdehyde decarboxylase; 2-amino-3-carboxymuconate-6-semialdehyde decarboxylase; picolinate carboxylase                                                                                                                                                                                                      |
| <b>Gene ID</b>          | <a href="#">266645</a>                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | <a href="#">NM_001033041</a>                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | <a href="#">NP_001028213</a>                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | <a href="#">Q8R519</a>                                                                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA