

Recombinant Full Length Human ACMSD Protein, GST-tagged

Cat. No. ACMSD-779HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACMSD full-length ORF (AAH16018.1, 1 a.a. - 278 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	278 amino acids
Description	The neuronal excitotoxin quinolinate is an intermediate in the de novo synthesis pathway of NAD from tryptophan, and has been implicated in the pathogenesis of several neurodegenerative disorders. Quinolinate is derived from alpha-amino-beta-carboxy-muconate-epsilon-semialdehyde (ACMS). ACMSD (ACMS decarboxylase; EC 4.1.1.4 5) can divert ACMS to a benign catabolite and thus prevent the accumulation of quinolinate from ACMS.[supplied by OMIM, Oct 2004]
Molecular Mass	57.6 kDa
AA Sequence	MGKSSEWCER IAGIQKFVLE KWTKKAKPED TLNLCQLLNN DLASTVVSYP RRFVGLGLTP MQAPELAVKE MERCVKELGF PGVQIGTHVN EWDLNAQELF PVYAAAERLK CSLFVHPWDM QMDGRMAKYW LPWLVGMPAE TTIAICSMIM GGVFEKF PKL KVCFAHGGGA FPFTVGRISH GFSMRPDLCA QDNPMNPKKY LGSFYTDALV HDPLSLKLLT DVIGKDKVIL GTDYPFPLGE LEPGKLIESM EEFDEETKNK LKAGNALAFL GLERKQFE

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ACMSD aminocarboxymuconate semialdehyde decarboxylase [Homo sapiens]
Official Symbol	ACMSD
Synonyms	ACMSD; aminocarboxymuconate semialdehyde decarboxylase; 2-amino-3-carboxymuconate-6-semialdehyde decarboxylase; picolinate carboxylase
Gene ID	130013
mRNA Refseq	NM_138326
Protein Refseq	NP_612199
MIM	608889
UniProt ID	Q8TDX5