

Recombinant Human ACMSD Protein, MYC/DDK-tagged

Cat. No. ACMSD-910H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ACMSD protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	37.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	aminocarboxymuconate semialdehyde decarboxylase[Homo sapiens]
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Official Symbol	ACMSD
Synonyms	2-amino-3-carboxymuconate-6-semialdehyde decarboxylase; OTTHUMP00000162500; aminocarboxymuconate semialdehyde decarboxylase
Gene ID	130013
mRNA Refseq	NM_138326.2
Protein Refseq	NP_612199
MIM	608889
UniProt ID	Q8TDX5

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