

Recombinant Mouse Ado Protein, Myc/DDK-tagged

Cat. No. Ado-1542M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length 2-aminoethanethiol (cysteamine) dioxygenase (Ado), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	ADO adds 2 oxygen atoms to free cysteamine to form hypotaurine in the catalytic reaction: 2-aminoethanethiol + O ₂ = hypotaurine. Mitochondrial protein predicted by Entrez gene.
Molecular Mass	27.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Ado 2-aminoethanethiol (cysteamine) dioxygenase [Mus musculus (house mouse)]
Official Symbol	Ado
Synonyms	ADO; 2-aminoethanethiol (cysteamine) dioxygenase; 2-aminoethanethiol dioxygenase; cysteamine dioxygenase; Gm237; MGC67243; MGC73511
Gene ID	211488
mRNA Refseq	NM_001005419
Protein Refseq	NP_001005419
UniProt ID	Q6PDY2

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