

Recombinant Mouse Dhfr Protein, Myc/DDK-tagged

Cat. No. Dhfr-2545M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dihydrofolate reductase (Dhfr), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate biosynthesis pathway. Catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis. Binds its own mRNA and that of DHFRL1.
Molecular Mass	21.6 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.

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GENE INFORMATION

Gene Name	Dhfr dihydrofolate reductase [Mus musculus (house mouse)]
Official Symbol	Dhfr
Synonyms	DHFR; dihydrofolate reductase; AA607882; AI662710; AW555094; 8430436I03Rik
Gene ID	13361
mRNA Refseq	NM_010049
Protein Refseq	NP_034179
UniProt ID	P00375

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