

Recombinant Human DHFR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHFR-6261H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHFR MS Standard C13 and N15-labeled recombinant protein (NP_000782) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Dihydrofolate reductase converts dihydrofolate into tetrahydrofolate, a methyl group shuttle required for the de novo synthesis of purines, thymidylic acid, and certain amino acids. While the functional dihydrofolate reductase gene has been mapped to chromosome 5, multiple intronless processed pseudogenes or dihydrofolate reductase-like genes have been identified on separate chromosomes. Dihydrofolate reductase deficiency has been linked to megaloblastic anemia. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	21.5 kDa
AA Sequence	MVGSLNCIVAVSQNMGIGKNGDLPWPPLRNEFRYFQRM TTTSSVEGKQNLVIMGKK TWFSIPEKNRPLKGRINLVLSRELKEPPQGAHFLSRSLDDALKLTEQPELANKVDMV WIVGGSSVYKEAMNHPGHLKLFVTRIMQDFESDTFFPEIDLEKYKLLPEYPGVLSDV QEEKGIKYKFEVYEKNDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

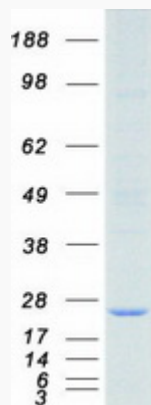
GENE INFORMATION

Gene Name	DHFR dihydrofolate reductase [Homo sapiens (human)]
Official Symbol	DHFR
Synonyms	DHFR; dihydrofolate reductase; DYR; DHFRP1;
Gene ID	1719
mRNA Refseq	NM_000791
Protein Refseq	NP_000782
MIM	126060
UniProt ID	P00374

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SDS-PAGE

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