

Recombinant Full Length Human DHFR Protein, GST-tagged

Cat. No. DHFR-2526HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DHFR full-length ORF (XP_937759.1, 1 a.a. - 187 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	187 amino acids
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. [provided by RefSeq, Mar 2014]
Molecular Mass	47.9 kDa
AA Sequence	MVGS LNCIVAVSQNMGIGKNGDLPWPPLRNEFRYFQRMTTSSVEGKQNLVIMGKK TWFSIPEKNRPLKGRINLVLSRELKEPPQGAHFLSRSLDDALKLTEQPELANKVDMV WIVGGSSVYKEAMNHPGHLKLFVTRIMQDFESDTFFPEIDLEKYKLLPEYPGVLSDV QEEKGIKYKFEVYEKND

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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	DHFR dihydrofolate reductase [Homo sapiens]
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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