

Recombinant Human DHFR Protein, GST-tagged

Cat. No. DHFR-2586H **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	Wheat Germ
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 TWFSIPEKNRPLKGRINLVLSRELKEPPQGAHFLSRSLDDALKLTEQP ELANKVDMV WIVGGSSVYKEAMNHPGHLKLFVTRIMQDFESDTFFPEIDLEKYKLLPEYPGVLSDV QEEKGIKYKFEVYEKND
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

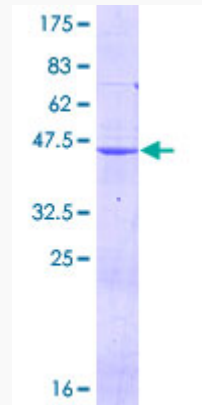
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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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