

Mouse recombinant protein DHFR
Mouse Recombinant DHFR
Catalog # PBV10619r**Specification**

Mouse recombinant protein DHFR - Product info

Primary Accession	P00375
Concentration	1
Calculated MW	23.8 kDa (207 aa, 1-187 aa + NT His-Tag) kDa

Mouse recombinant protein DHFR - Additional Info

Gene ID	13361
Gene Symbol	DHFR
Other Names	
Dihydrofolate reductase.	
Gene Source	Mouse
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>0.2 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MVRPLNCIVA VSQNMIGIGN GDLWPPLRN EFKYFQRMFT TSSVEGKQNL VIMGRKTWFS IPEKNRPLKD RINIVLSREL KEPPRGHFL AKSLDDALRL IEQPELASKV DMVWIVGGSS VYQEAMNQPG HLRLFVTRIM QEFESDTFFP EIDLGKYKLL PEYPGVLSEV QEEKGIKYKF EVYEKGD

Format
Liquid**Storage**

-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl, 2 mM DTT and 10% glycerol.

Mouse recombinant protein DHFR - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

Mouse recombinant protein DHFR - Images**Mouse recombinant protein DHFR - Background**

Dihydrofolate reductase (DHFR) is a member of the reductase family of enzymes that is ubiquitously expressed in all organisms. DHFR catalyzes the NADPH-dependent reduction of dihydrofolate to tetrahydrofolate, and it is essential for the synthesis of thymidylate, purines and several amino acids. Expression of methotrexate (MTX)-resistant variants of DHFR in normal hematopoietic cells is a potential strategy to permit administration of larger doses of MTX by alleviating drug toxicity in normal cells and tissues that are drug sensitive.

Mouse recombinant protein DHFR - References

Crouse G.F.,et al.J. Biol. Chem. 257:7887-7897(1982).
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Mclvor R.S.,et al.Nucleic Acids Res. 18:7025-7032(1990).
Stone D.,et al.J. Biol. Chem. 254:480-488(1979).
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