

DHFR, 1-187aa, Mouse, His tag, E.coli

Cat.NO.: TP01871

3th Edition

Synonyms:Dihydrofolate reductase

Description: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.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol,2mM DTT, 0.1M NaCl.

Molecular Weight:23.8 kDa (207aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMVRPLNCIVAVSQNMGIGKNGDLPWPPLRNEFKYFQRMTTSSVEGKQNLVIMG
RKTWFSIPEKNRPLKDRINIVLSRELKEPPRGAAHFLAKSLDDALRLIEQPELASKVDMVWIVGGSSVYQEAMNQPGH
LRLFVTRIMQEFESDTFFPEIDLGKYKLLPEYPGVLSEVQEEKGIKYKFEVYEKGD

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.