

Mouse DHFR Recombinant Protein



RPPB1571

Product Information Protein Information

Product SKU:

RPPB1571

Accession:

P00375

Host:

Escherichia Coli.

Protein description:

DHFR Mouse Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 207 amino acids (1-187 a.a.) and having a molecular mass of 23.8kDa. The DHFR is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Dihydrofolate reductase, DHFR, DHFRP1, AA607882, A1662710, AW555094, 8430436103Rik.

Formulation:

The DHFR solution (1 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MVRPLNCIVA VSQNMGIGKN GDLWPPLRN EFKYFQRMTT TSSVEGKQNL
VIMGRKTWFS IPEKNRPLKD RINIVLSREL KEPPRGHFL AKSLDDALRL IEQPELASKV DMWVIVGGSS
VYQEAMNQPG HLRLFVTRIM QEFESDTFFP EIDLGKYKLL PEYPGVLSEV QEEKGIKYKF EYEEKKD.

Biological Activity:

Specific activity is > 0.2 units/mg, in which one unit will convert 1.0 umole of 7,8 -dihydrofolate and beta-NADPH to 5,6,7,8-tetrahydrofolate and beta-NADP per min at pH 6.5 at 25C.