

# Human DHFR Recombinant Protein



RPPB5810

---

## Product Information    Protein Information

**Product SKU:**

RPPB5810

**Accession:**

P00374

**Host:**

Escherichia Coli.

**Protein description:**

DHFR Human Recombinant fused with a 20 amino acids 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 23.6kDa. The DHFR is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Dihydrofolate reductase, DHFR, DHFRP1.

**Formulation:**

The DHFR solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 2mM DTT and 30% glycerol.

**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 MVGSLNCIVA VSQNMGIGKN GDLWPPLRN EFRYFQRMTT TSSVEGKQNL  
VIMGKKTWFS IPEKNRPLKG RINLVLSREL KEPPQGAHFL SRSLDDALKL TEQPELANKV DMVWIVGGSS  
VYKEAMNHPG HCLKFVTRIM QDFESDTFFP EIDLEKYKLL PEYPGVLSDV QEEKGIKYKF EYEEKND.

**Biological Activity:**

Specific activity is >2000 pmol/min/ug is defined as the amount of enzyme that converts 1.0 pmole of dihydrofolic acid to tetrahydrofolic acid per minute at pH 6.5 at 25C.