

32-6729: DDT Mouse

Alternative Name : D-dopachrome decarboxylase (EC:4.1.1.84), D-dopachrome tautomerase, Ddt.

Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

DDT is an enzyme that catalyzes the tautomerization of D-dopachrome to give 5,6-dihydroxyindole (DHI). DDT is part of the family of lyases, specifically the carboxy-lyases, which cleave carbon-carbon bonds. DDT shares a homologous amino acid sequence (33% identical) with MIF and has similar tautomerase activity. DDT functions as a proinflammatory cytokine.

DDT Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 141 amino acids (1-118 a.a) and having a molecular mass of 15.5kDa. DDT is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : DDT protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0) & 10% glycerol.

Storage condition : 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 : MGSSHHHHHH SSGLVPRGSH MGSMPFVELE TNLPASRIPA GLENRLCAAT ATILDKPEDR VSVTIRPGMT LLMNKSTEP C AHLLVSSIGV VGTA EQNRTH SASFFKFLTE ELSLDQDRIV IRFFPLEAWQ IGKKGTVMTF L