
Product Data Sheet

Product Name: DDT Mouse
 Cat. No.: GP21550
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | D-dopachrome decarboxylase (EC:4.1.1.84); D-dopachrome tautomerase; Ddt. | | |
| Amino Acid Sequence | MGSSHHHHHH SSGLVPRGSH MGSMPFVELE TNLPASRIPA GLENRLCAAT ATILDKPEDR VSVTIRPGMT LLMNKSTEP C AHLLVSSIGV VGTAEQNRTH SASFFKFLTE ELSLDQDRIV IRFFPLEAWQ IGKKGTVMTF L | | |
| Formulation | DDT protein solution (1mg/ml) contains 20mM Tris-Hcl buffer (pH8.0) & 10% glycerol. | | |

Introduction

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 carboxylases, 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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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