

32-2261: DDT Recombinant Protein

Alternative Name : EC 4.1.1.84, DDCT, D-dopachrome decarboxylase, D-Dopachrome Tautomerase.

Description

Source : Escherichia Coli. DDT Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 138 amino acids (1-118 a.a.) and having a molecular mass of 14.8 kDa. The DDT is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	DDT Human solution containing 20mM Tris HCL pH-8, & 10% glycerol.
Storage condition :	DDT Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MPFLELDTNL PANRVPAGLE KRLCAAAASI LGKPADRVNV TVRPGLAMAL SGSTEPCAQL SSIIGVVGT AEDNRSHSAH FFEFLTKELA LGQDRILIRF FPLESWQIGK IGTVMFTL.

