

DDT Human

Description: 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.

Catalog #: ENPS-534

For research use only.

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

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MPFLEDTNL PANRVPAGLE
KRLCAAAASI LGKPADRVNV TVRPGLAMAL SGSTEPCAQL SISSIGVVG T AEDNRSHSAH
FFFLTKELA LGQDRILIRF FPLESWQIGK IGTVMFTL.

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

Formulation:

DDT Human solution containing 20mM Tris HCL pH-8, & 10% glycerol.

Stability:

DDT Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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 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.

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