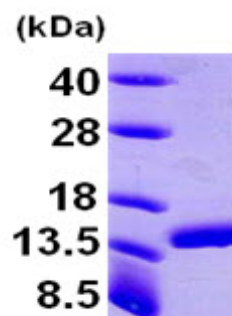


AR09530PU-L

Human D-dopachrome decarboxylase (1-118, His-tag) - Purified

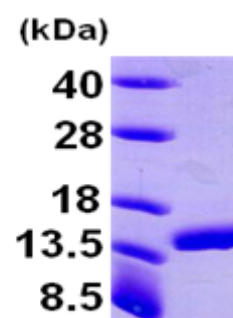
Alternate names:	D-dopachrome tautomerase, DDCT, DDT, Phenylpyruvate tautomerase II
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	DDT is an enzyme that catalyzes the tautomerization of D-dopachrome to give 5,6-dihydroxyindole (DHI). This protein belongs to the family of lyases, specifically the carboxy-lyases, which cleave carbon-carbon bonds. It shares a homologous amino acid sequence (33% identical) with the macrophage migration inhibitory factor (MIF) and possesses similar tautomerase activity. In addition, it may function as a proinflammatory cytokine.
Uniprot ID:	P30046
NCBI:	NP_001346
GeneID:	1652
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol
Description:	Recombinant human DDT, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: <u>MGSSHHHHH</u> <u>SSGLVPRGSH</u> MPFLELDTNL PANRVPAGLE KRLCAAAASI LGKPADRVNV TVRPGLAMAL SGSTEPCAQL SISSIGVVG T AEDNRSHSAH FFEFLTKELA LGQDRILIRF FPLESWQIGK IGTVMFTL Molecular weight: 14.8 kDa (138aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Arisawa K., et al. (2009) Toxicology. 255(1-2):6-14.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human DDT, 1-118aa, His-tagged



15% SDS-PAGE (3ug)