Datasheet for ABIN5855098

DDT Protein (AA 21-248) (His tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	DDT
Protein Characteristics:	AA 21-248
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDT protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMPFVELE TNLPASRIPA GLENRLCAAT ATILDKPEDR VSVTIRPGMT LLMNKSTEPC AHLLVSSIGV VGTAEQNRTH SASFFKFLTE ELSLDQDRIV IRFFPLEAWQ IGKKGTVMTF L
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	DDT
Alternative Name:	D-Dopachrome Decarboxylase (DDT Products)
Background:	Ddt, also known as D-dopachrome decarboxylase, is an enzyme that catayzes the tautomerization of D-dopachrome to give 5,6-dihyroxyindole(DHI). This protein belongs to the family of lyases, specifically the carboxy-lyases, which cleave carbon-carbon bonds. It shares a

Target Details

	homologous amino acid sequence (33 % identical) with the macrophage migration inhibitory factor (MIF) and possesses similar tautomerase activity in addition, it may functions a proinflammatory cytokine. Recombinant mouse Ddt, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	15.5 kDa (141aa) confirmed by MALDI-TOF
NCBI Accession:	NP_034157
UniProt:	O35215

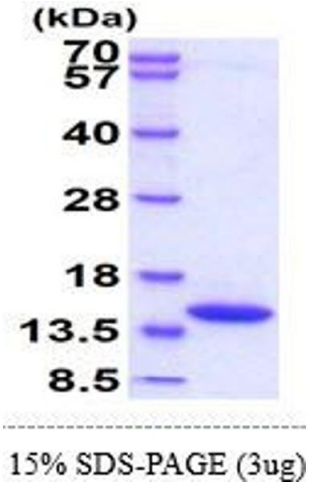
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-Hcl buffer (pH 8.0) containing 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Images



SDS-PAGE

Image 1.