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### Recombinant human DTD2 protein

Catalog Number: ATGP2507

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-168aa

#### UniProt No.

**096FN9** 

#### **NCBI Accession No.**

NP 542395.1

#### **Alternative Names**

probable D-tyrosyl-tRNA(Tyr) deacylase 2, C14orf126, MGC9912, chromosome 14 open reading frame 126

#### **PRODUCT SPECIFICATION**

#### **Molecular Weight**

21kDa (191aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

DTD2 belongs to the DTD family. This protein hydrolyzes D-tyrosyl-tRNA (Tyr) into D-tyrosine and free tRNA (Tyr). It could be a defense mechanism against a harmful effect of D-tyrosine (Potential). Recombinant human DTD2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

<MGSSHHHHHH SSGLVPRGSH MGS>MAEGSRI POARALLOOC LHARLOIRPA DGDVAAOWVE VORGLVIYVC



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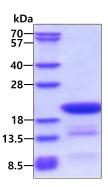
FFKGADKELL PKMVNTLLNV KLSETENGKH VSILDLPGNI LIIPQATLGG RLKGRNMQYH SNSGKEEGFE LYSQFVTLCE KEVAANSKCA EARVVVEHGT YGNRQVLKLD TNGPFTHLIE F

#### **General References**

Gerhard, D.S., et al. (2004) Genome Res. 14 (10B), 2121-2127

#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

