

Recombinant human DTD2 protein

Catalog Number: ATGP2507

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-168aa

UniProt No.

Q96FN9

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 SGLVPRGSH MGS>MAEGSRI PQARALLQQC L HARLQIRPA DGDVAAQWVE VQRGLVIYVC

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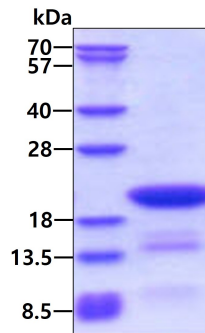
FFKGADKELL PKMVNTLLNV KLSETENGGH VSILDLPNGI LIIPQATLGG RLKGRNMQYH SNSGKEEGFE LYSQFVTLCE
KEVAANSKCA EARVVVEHGT YGNRQVLKLD TNGPFTHLIE F

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.