

**DTD2, 1-168aa, Human, His tag, E.coli**

**Cat.NO.: TP01929**

3th Edition

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

**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.

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

**Molecular Weight:**21.0kDa (191aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMAGSRIPQARALLQQCLHARLQIRPADGDVAAQWVEVQRGLVIYVCFFKG  
ADKELLPKMVNTLLNVKLSETENGKHVSILDLPGNILIPQATLGGRLKGRNMQYHSNSGKEEGFELYSQFVTLCEKE  
VAANSKCAEARVVVEHGTYGNRQVLKLDTNGPFTHLIEF

**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.