

Recombinant Human D-tyrosyl-tRNA deacylase 2 (putative), His-tagged

Cat. No. DTD2-410H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DTD2, 1-168aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-168 a.a.
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 Mass	21.0kDa (191aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEGSRI PQARALLQQC LHARLQIRPA DGDVAAQWVE VQRGLVIYVC FFKGADKELL PKMVNTLLNV KLSETENGKH VSILDLPGNI LIIPQATLGG RLKGRNMQYH SNSGKEEGFE LYSQFVTLCE KEVAANSKCA EARVVVEHGT YGNRQVLKLD TNGPFTHLIE F

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Purity	>90% by SDS - PAGE
Storage	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.
Concentration	1.0 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	DTD2?D-tyrosyl-tRNA deacylase 2 (putative) [?Homo sapiens?(human)]
Official Symbol	DTD2
Synonyms	DTD2; C14orf126; D-tyrosyl-tRNA deacylase 2 (putative); probable D-tyrosyl-tRNA(Tyr) deacylase 2
Gene ID	112487
mRNA Refseq	NM_080664
Protein Refseq	NP_542395
UniProt ID	Q96FN9
Chromosome Location	14q12
Function	hydrolase activity, acting on ester bonds; molecular_function; protein binding

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