
Product Data Sheet

Product Name: DTD2 Human

Cat. No.: GP21574

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	D-Tyrosyl-TRNA Deacylase 2 (Putative); Chromosome 14 Open Reading Frame 126; Probable D-Tyrosyl-TRNA(Tyr) Deacylase 2; EC 3.1.-.-;C14orf126		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAEGSRI PQARALLQQC LHARLQIRPA DGDVAAQWVE VQRGLVIYVC FFKGADKELL PKMVNTLLNV KLSETENGKH VSILDLPNGI LIIPQATLGG RLKGRNMQYH SNSGKEEGFE LYSQFVTLCE KEVAANSKCA EARVVVEHGT YGNRQVLKLD TNGPFTHLIE F		
Formulation	The DTD2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 150mM NaCl, 1mM DTT and 20% glycerol.		

Introduction

DTD2 is a member of the DTD family. DTD2 protein hydrolyzes D-tyrosyl-tRNA(Tyr) into D-tyrosine and free tRNA(Tyr) as a defense mechanism against a harmful effect of D-tyrosine.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

DTD2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 191 amino acids (1-168) and having a molecular mass of 21.0 kDa. DTD2 is fused to a 23 amino acid His-tag at N-terminus.

Caution: Product has not been fully validated for medical applications. For research use only.

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