

## Product datasheet for **TP726039**

### DTD1 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human D-Tyrosyl-tRNA(Tyr) Deacylase 1/DTD1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Pro209
Tag:	C-His
Buffer:	Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Note:	Recombinant Human D-Tyrosyl-tRNA(Tyr) Deacylase 1 is produced by our mammalian expression system and the target gene encoding Met1-Pro209 is expressed with a His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	92675
UniProt ID:	<a href="#">Q8TEA8</a>
Summary:	D-tyrosyl-tRNA(Tyr) deacylase 1(DTD1) belongs to the DTD family, and expressed in many adult and fetal tissues such as testis, ovary, spleen in adult and fetal brain. It is a nucleus and cytoplasm located protein, and is preferentially phosphorylated in cells arrested early in S phase. DTD1 is an ATPase involved in DNA replication, it may facilitate loading of CDC45 onto pre-replication complexes. The protein may hydrolyze D-tyrosyl-tRNA(Tyr) into D-tyrosine and free tRNA(Tyr), a possible defense mechanism against a harmful effect of D-tyrosine.



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