

Recombinant Human DTD1

Catalog No: C172

Description	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 6His tag at the C-terminus.
Source	Human Cells
Alternative name	D-tyrosyl-tRNA(Tyr) deacylase 1;DNA-unwinding element-binding protein B;DUE-B;Histidyl-tRNA synthase-related;DTD1;C20orf88; DUEB; HARS2
Accession No.	Q8TEA8
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH7.4.
Quality Control	Purity: Greater than 90% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid Sequence	MKAVVQRVTRASVTVGGEQISAIGRGICVLLGISLEDTQKELEHMVRKILNLRVFEDES GKHWSKSVMD KQYEILCVSQFTLQCVLKGNKPDFHLAMPTEQAEGFYNSFLEQLRKTYRPELIKDGKFGAYMQVHIQND GPVTIELESPAPGTATSDPKQLSKLEKQQQRKEKTRAKGPSESSKERNTPRKEDRSASSGAEGDVSSE REPVDDHHHHH
Background	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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