# **Recombinant Human DTD1 Protein (His Tag)**

Catalog Number: PKSH032363



Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Synonyms D-tyrosyl-tRNA(Tyr) deacylase 1;DNA-unwinding element-binding protein B;DUE-

B;Histidyl-tRNA synthase-related;DTD1;C20orf88;DUEB;HARS2

Species Human

Expression Host

Sequence

Met 1-Pro209

Accession

Q8TEA8

Calculated Molecular Weight

Observed molecular weight

Tag

C-His

## **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Storage Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

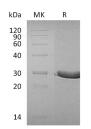
**Shipping** This product is provided as liquid. It is shipped at frozen temperature with blue

ice/gel packs. Upon receipt, store it immediately at < - 20°C.

**Formulation** Supplied as a 0.2 μm filtered solution of PBS, pH7.4.

**Reconstitution** Not Applicable

### Data



> 95 % as determined by reducing SDS-PAGE.

### **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.

#### For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com