

Recombinant Human DTD1 Protein (His Tag)

Catalog Number:PKSH032363



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

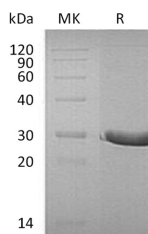
Description

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	HEK293 Cells
Sequence	Met 1-Pro209
Accession	Q8TEA8
Calculated Molecular Weight	24.5 kDa
Observed molecular weight	30 kDa
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	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.

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