

Recombinant Human D-Tyrosyl-tRNA Protein

Cat.NO.: TP05930

3th Edition

Synonyms:D-tyrosyl-tRNA(Tyr) deacylase 1;DNA-unwinding element-binding protein B;DUE-B;Histidyl-tRNA synthase-related;DTD1;C20orf88; DUEB; HARS2

Description: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.

Form:PBS

Molecular Weight:24.5 kDa

Sequences:Met 1-Pro209

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.