

Recombinant Human TTL Protein, His&GST-tagged

Cat. No. TTL-506H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TTL Protein (Met1-Leu377) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu377
Description	TTL is a cytosolic enzyme involved in the posttranslational modification of alpha-tubulin (see MIM 602529). Alpha-tubulin within assembled microtubules is detyrosinated over time at the C terminus. After microtubule disassembly, TTL restores the tyrosine residues and consequently participates in a cycle of tubulin detyrosination and tyrosination.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 73.2 kDa Accurate Molecular Mass: 73 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

TTL tubulin tyrosine ligase [Homo sapiens (human)]

Official Symbol

TTL

Synonyms

TTL; tubulin tyrosine ligase; tubulin--tyrosine ligase; MGC46235; 2410003M22Rik; tubulin-tyrosine ligase

Gene ID

150465

mRNA Refseq

NM_153712

Protein Refseq

NP_714923

MIM

608291

UniProt ID

Q8NG68

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA