

# **Product datasheet for TP307805**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## TTL (NM\_153712) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human tubulin tyrosine ligase (TTL), 20 μg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC207805 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MYTFVVRDENSSVYAEVSRLLLATGHWKRLRRDNPRFNLMLGERNRLPFGRLGHEPGLVQLVNYYRGADK LCRKASLVKLIKTSPELAESCTWFPESYVIYPTNLKTPVAPAQNGIQPPISNSRTDEREFFLASYNRKKE DGEGNVWIAKSSAGAKGEGILISSEASELLDFIDNQGQVHVIQKYLEHPLLLEPGHRKFDIRSWVLVDHQ YNIYLYREGVLRTASEPYHVDNFQDKTCHLTNHCIQKEYSKNYGKYEEGNEMFFKEFNQYLTSALNITLE SSILLQIKHIIRNCLLSVEPAISTKHLPYQSFQLFGFDFMVDEELKVWLIEVNGAPACAQKLYAELCQGI

VDIAISSVFPPPDVEQPQTQPAAFIKL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK

Predicted MW: 43 kDa

**Concentration:** >0.05  $\mu$ g/ $\mu$ L as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** NP 714923 **Locus ID:** 150465



### TTL (NM\_153712) Human Recombinant Protein - TP307805

UniProt ID: Q8NG68

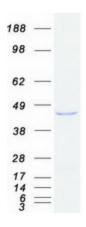
RefSeq Size: 5181
Cytogenetics: 2q14.1
RefSeq ORF: 1131

Summary: 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 (Erck et al., 2003 [PubMed

14571137]).[supplied by OMIM, Mar 2008]

# **Product images:**



Coomassie blue staining of purified TTL protein (Cat# TP307805). The protein was produced from HEK293T cells transfected with TTL cDNA clone (Cat# [RC207805]) using MegaTran 2.0 (Cat# [TT210002]).