

Product datasheet for TP307805M

OriGene Technologies, Inc.

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TTL (NM_153712) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human tubulin tyrosine ligase (TTL), 100 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

150465

Locus ID:



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UniProt ID: Q8NG68

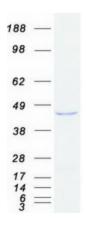
RefSeq Size: 5181
Cytogenetics: 2q14.1
RefSeq ORF: 1131

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]).