

Recombinant Human TTL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TTL-5778H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TTL MS Standard C13 and N15-labeled recombinant protein (NP_714923) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	TTL is a cytosolic enzyme involved in the posttranslational modification of alpha-tubulin. Alpha-tubulin within assembled microtubules is dephosphorylated over time at the C terminus. After microtubule disassembly, TTL restores the tyrosine residues and consequently participates in a cycle of tubulin dephosphorylation and phosphorylation.
Molecular Mass	43.2 kDa
AA Sequence	MYTFVVRDENSSVYAEVSRLLLATGHWKRLRRDNPRFNLMLGERNRLPFGRGLGHE PGLVQLVNYRGADKLCRKASLVKLIKTSPELAESCTWFPESYVIYPTNLKTPVAPAQ NGIQPPISNSRTDEREFFLASYNRKKEGEGNVWIAKSSAGAKGEGILISSEASELLD FIDNQGQVHVIQKYLEHPLLEPGHRKFDIRSWVLVDHQYNIYLYREGVLRRTASEPYH VDNFQDKTCHLTNHCIQKEYSKNYGKYEEGNEMFFKEFNQYLTSALNITLESSILLQI KHIIRNCLLSVEPAISTKHLPPYQSFQLFGDFMVDDELKVWLIEVNGAPACAQKLYAE LCQGIVDIAISSVFPPPDVEQPQTQPAAFIKLTRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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

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SDS-PAGE

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