

Product datasheet for **TP307805M**

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 or AA Sequence:	>RC207805 protein sequence Red =Cloning site Green =Tags(s)
	<p>MYTFVVRDENSSVYAEVSRLLLATGHWKRLRRDNPRFNLMLGERNRPFGRGLGHEPGLVQLVNYRQADK LCRKASLVKLIKTSPELAESCTWFPESVVIYPTNLKTPVAPAQNGIQPPISNSRTDEREFFLASYNRKKE DGEKNVWIAKSSAGAKGEGILISSEASELLDFIDNQGQVHVVIQKYLEHPLLEPGHRKFDIRSWVLVDHQ YNIYLYREGVLRRTASEPYHVDNFQDKTCHLTNHCIQKEYSKNYGKYEEGNEMFFKEFNQYLTSALNITL SSILLQIKHIIRNCLLSVEPAISTKHLPYQSFQLFGDFMVDDELKVVLIIEVNGAPACAQKLYAELCQGI VDIAISSVFPPPDVEQPQTQPAAFIKL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	43 kDa
Concentration:	>0.05 µg/µL 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:	<u>NP_714923</u>
Locus ID:	150465



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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]).