

Product datasheet for PH307805

TTL (NM_153712) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TTL MS Standard C13 and N15-labeled recombinant protein (NP_714923)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207805
Predicted MW:	43.2 kDa
Protein Sequence:	>RC207805 protein sequence Red=Cloning site Green=Tags(s) MYTFVVRDENSSVYAEVSRLLLATGHWKRLRRDNPRFNLMGERNLPGFRLGHEPGLVQLVNYRGGADK LCRKASLVKLIKTSPELAESCTWFPESYVIYPTNLKTPVAPAQNGIQPPISNSRTDEREFFLASYNRKKE DGEGNVWIAKSSAGAKGEGILISSEASELLDFIDNQGVHVIQKYLEHPLLEPGHRKFDIRSWLVYDHQ YNIYLYREGVLRASEPYHVDNFQDKTCHLTNHCIQKEYSKNYGKYEENEMFFKEFNQYLTSALNITLE SSILLQIKHIIRNCLLSVEPAISTKHLPYQSFQLFGDFMVEELKVWLVIEVNGAPACAQKLYAELCQGI VDIAISSVFPDPVEQPQTQPAAFIKL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_714923
RefSeq Size:	5181
RefSeq ORF:	1131
Locus ID:	150465
UniProt ID:	Q8NG68



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Cytogenetics: 2q14.1

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]).