

Product datasheet for PH313142

Tubulin Polymerization Promoting Protein (TPPP) (NM_007030) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TPPP MS Standard C13 and N15-labeled recombinant protein (NP_008961)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213142
Predicted MW:	23.7 kDa
Protein Sequence:	>RC213142 protein sequence Red=Cloning site Green=Tags(s) MADKAKPAKAANRTPPKSPGDPSKDRAAKRLSLESEGAGEGAAASPELSALEEAFRRFAVHGDARATGRE MHGKNWSKLCCKDCQVIDGRNVTVDVDIVFSKIKGKSCRTITFEQFQEAL EELAKKRFKDKSSEEAVREV HRLIEGKAPIISGVTKAISSPTVSRLTDTTKFTGSHKERFDPSGKGGKAGRVDLVDESGYVSGYKHAGT YDQKVQGGK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_008961
RefSeq Size:	6039
RefSeq ORF:	657
Synonyms:	p24; p25; p25alpha; TPPP/p25; TPPP1
Locus ID:	11076
UniProt ID:	O94811 , Q4L233

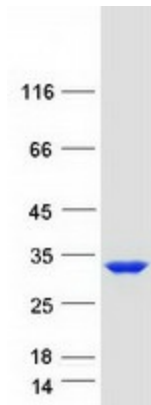


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Cytogenetics: 5p15.33

Summary: May play a role in the polymerization of tubulin into microtubules, microtubule bundling and the stabilization of existing microtubules, thus maintaining the integrity of the microtubule network. May play a role in mitotic spindle assembly and nuclear envelope breakdown.
[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified TPPP protein (Cat# [TP313142]). The protein was produced from HEK293T cells transfected with TPPP cDNA clone (Cat# [RC213142]) using MegaTran 2.0 (Cat# [TT210002]).