

Product datasheet for **TP302032**

TBCA (NM_004607) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tubulin folding cofactor A (TBCA), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202032 protein sequence Red =Cloning site Green =Tags(s)
	MADPRVRQIKIKTG VVKRLVKEKVMYEKEAKQ QEEKIEKMRAEDGENYDIKKQAEILQESRMMIPDCQRR LEAAYLDLQRILENEKDLEEAEEYKEARLVLD SVKLEA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	12.7 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:	NP_004598
Locus ID:	6902
UniProt ID:	O75347 , Q6FGD7
RefSeq Size:	679
Cytogenetics:	5q14.1

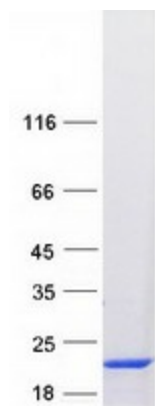


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RefSeq ORF: 324

Summary: The product of this gene is one of four proteins (cofactors A, D, E, and C) involved in the pathway leading to correctly folded beta-tubulin from folding intermediates. Cofactors A and D are believed to play a role in capturing and stabilizing beta-tubulin intermediates in a quasi-native confirmation. Cofactor E binds to the cofactor D/beta-tubulin complex; interaction with cofactor C then causes the release of beta-tubulin polypeptides that are committed to the native state. This gene encodes chaperonin cofactor A. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Product images:



Coomassie blue staining of purified TBCA protein (Cat# TP302032). The protein was produced from HEK293T cells transfected with TBCA cDNA clone (Cat# [RC202032]) using MegaTran 2.0 (Cat# [TT210002]).