

Product datasheet for PH302032

TBCA (NM_004607) Human Mass Spec Standard

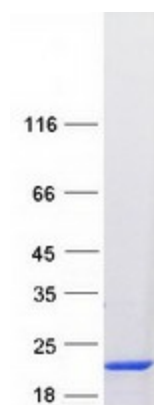
Product data:

Product Type:	Mass Spec Standards
Description:	TBCA MS Standard C13 and N15-labeled recombinant protein (NP_004598)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202032
Predicted MW:	12.9 kDa
Protein Sequence:	<p>>RC202032 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MADPRVRQIKIKITGVVKRLVKEKVMYEKAKQQEEKIEKMRAEDGENYDIKKQAEILQESRMMIPDCQRR LEAAYLDLQRILENEKDLEEAEEYKEARLVLDVSKLEA</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_004598
RefSeq Size:	679
RefSeq ORF:	324
Locus ID:	6902
UniProt ID:	O75347 , Q6FGD7
Cytogenetics:	5q14.1


[View online »](#)

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]).