

## Product datasheet for PH313106

### SEPTIN4 (NM\_004574) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SEPT4 MS Standard C13 and N15-labeled recombinant protein (NP_004565)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213106
Predicted MW:	54.9 kDa
Protein Sequence:	>RC213106 representing NM_004574 Red=Cloning site Green=Tags(s)
	MDRSLGWQGNVSPEDRTEAGIKRFLEDTTDDGELSKFVKDFSGNASCHPPEAKTWASRPQVPEPRPQAPD LYDDLEFRPPSRPQSSDNQQYFCAPAPLSPSARPRSPWGKLDPYDSSDDKEYYGFATLPNQVHRKSVK KGFDFTLMVAGESGLGKSTLVNSLFLDLYRDRKLLGAEERIMQTVEITKHAVDIEEKGVRLRLTIVDTP GFGDAVNNTECWKPVAEYIDQQFEQYFRDESGLNKNIQDNRVHCLYFISPFGLRPLDVEFMKALHQ RVNIVPILAKADTLTPPEVDHKKRKIREEIEHFGIKIYQFPDCDSDEDEDFKLQDQALKESIPFAVIGSN TVVEARGRRVRGRLYPWGIWEVENPGHCDVFKLRTMLVRTHMQDLKDVTRETHYENYRAQCIQSMTRLVV KERNRNKLTRESGTFPIPAVPPGTDPETEKLIREKDEELRRMQEMLHKIQKQMKENY
	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- 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:	<u>NP_004565</u>
RefSeq Size:	1767
RefSeq ORF:	1434
Synonyms:	ARTS; BRADEION; C17orf47; CE5B3; H5; hCDCREL-2; hucep-7; MART; PNU TL2; SEP4; SEPT4



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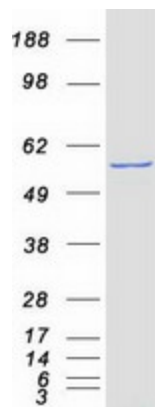
Locus ID: 5414

UniProt ID: [O43236](#), [Q8NEP4](#)

Cytogenetics: 17q22

**Summary:** This gene is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, *Drosophila*, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. This gene is highly expressed in brain and heart. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. One of the isoforms (known as ARTS) is distinct; it is localized to the mitochondria, and has a role in apoptosis and cancer. [provided by RefSeq, Nov 2010]

### Product images:



Coomassie blue staining of purified SEPTIN4 protein (Cat# [TP313106]). The protein was produced from HEK293T cells transfected with SEPTIN4 cDNA clone (Cat# [RC213106]) using MegaTran 2.0 (Cat# [TT210002]).