

## Product datasheet for **TP313106M**

### SEPTIN4 (NM\_004574) Human Recombinant Protein

#### Product data:

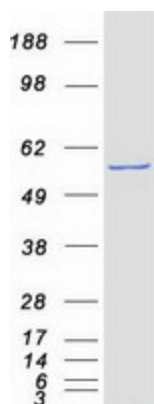
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human septin 4 (SEPT4), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213106 representing NM_004574 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MDRSLGWQGNVPEDRTEAGIKRFLEDTTDDGELSKFVKDFSGNASCHPPEAKTWASRPQVPEPRPQAP D LYDDDLFRPPSRPQSSDNQQYFCAPAPLSPSARPRSPWGKLDPYDSSEDDKEYVGFATLPNQVHRKSVK KGFDFTLMVAGESGLGKSTLVNSLFLTDLYRDRKLLGAEERIMQTVEITKHAVDIEEKGVRLRLTIVDTP GFGDAVNNTCEWKPVAEYIDQQFEQYFRDESGLNKNIQDNRVHCCLYFISPFHGHLRPLDVEFMKALH Q RVNIVPILAKADTLTPPEVDHKKRKIREEIEHFGIKIYQFPDCDSDEDEDFKLQDQALKESIPFAVIGSN TVVEARGRRVRGRLYPWGIVEVENPGHCDFVKLRMTLVRTMQLKDVTRETHYENYRAQCIQSMTRLV V KERNRNKLTRESGTDFFPIPAVPPGTDPETEKLIREKDEELRRMQEMLHKIQKQMKENY
	<b>TR</b> TRPLE <b>QKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	54.9 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_004565</a></u>
<b>Locus ID:</b>	5414
<b>UniProt ID:</b>	<u><a href="#">O43236</a></u>
<b>RefSeq Size:</b>	1767
<b>Cytogenetics:</b>	17q22
<b>RefSeq ORF:</b>	1434
<b>Synonyms:</b>	ARTS; BRADEION; C17orf47; CE5B3; H5; hCDCREL-2; hucep-7; MART; PNUTL2; SEP4; SEPT4
<b>Summary:</b>	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]).