Recombinant Human SEPTIN4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SEPTIN4-4441H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SEPT4 MS Standard C13 and N15-labeled recombinant protein (NP_004565) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	54.9 kDa
AA Sequence	MDRSLGWQGNSVPEDRTEAGIKRFLEDTTDDGELSKFVKDFSGNASCHPPEAKTW ASRPQVPEPRPQAPDLYDDDLEFRPPSRPQSSDNQQYFCAPAPLSPSARPRSPWG KLDPYDSSEDDKEYVGFATLPNQVHRKSVKKGFDFTLMVAGESGLGKSTLVNSLFL TDLYRDRKLLGAEERIMQTVEITKHAVDIEEKGVRLRLTIVDTPGFGDAVNNTECWKP VAEYIDQQFEQYFRDESGLNRKNIQDNRVHCCLYFISPFGHGLRPLDVEFMKALHQR

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	VNIVPILAKADTLTPPEVDHKKRKIREEIEHFGIKIYQFPDCDSDEDEDFKLQDQALKE SIPFAVIGSNTVVEARGRRVRGRLYPWGIVEVENPGHCDFVKLRTMLVRTHMQDLK DVTRETHYENYRAQCIQSMTRLVVKERNRNKLTRESGTDFPIPAVPPGTDPETEKLI REKDEELRRMQEMLHKIQKQMKENYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SEPTIN4 septin 4 [Homo sapiens (human)]
Official Symbol	SEPTIN4
Synonyms	SEPTIN4; septin 4; H5; ARTS; MART; SEP4; CE5B3; SEPT4; PNUTL2; hucep-7; BRADEION; C17orf47; hCDCREL-2; septin-4; CE5B3 beta; apoptosis-related protein in the TGF-beta signaling pathway; bradeion beta; brain protein H5; cell division control-related protein 2; cerebral protein 7; peanut-like protein 2; septin-M; uncharacterized protein C17orf47
Gene ID	5414
mRNA Refseq	NM_004574

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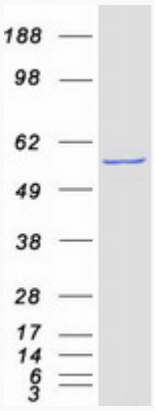
Protein Refseq	NP_004565
MIM	603696
UniProt ID	O43236
SDS-PAGE	

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