

Recombinant Human SEPTIN5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SEPTIN5-5308H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SEPT5 MS Standard C13 and N15-labeled recombinant protein (NP_002679) 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 gene 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 mapped to 22q11, the region frequently deleted in DiGeorge and velocardiofacial syndromes. A translocation involving the MLL gene and this gene has also been reported in patients with acute myeloid leukemia. Alternative splicing results in multiple transcript variants. The presence of a non-consensus polyA signal (AACAAAT) in this gene also results in read-through transcription into the downstream neighboring gene (GP1BB; platelet glycoprotein Ib), whereby larger, non-coding transcripts are produced.
Molecular Mass	42.8 kDa
AA Sequence	MSTGLRYKSKLATPEDKQDIDKQYVGFATLPNQVHRKSVKKGFDFTLMVAGESGLG KSTLVHSLFLTDLKDRKLLSAEERISQTVEILKHTVDIEEKGVKCLKLTIVDTPGFGDAV

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NNTECWKPITDYVDQQFEQYFRDESGLNRKNIQDNRVHCCLYFISPFHGGLRPVDV
GFMKALHEKVNIVPLIAKADCLVPSEIRKLKERIRREEIDKFGIHVYQFPECDSDEDEDF
KQQDRELKESAPFAVIGSNTVVEAKGQVRVRGRLYPWGIVEVENQAHCDFVKLRNML
IRTHMHDLDKDVTCDVHYENYRAHCIQQMTSKLTQDSRMESPIPLPLTPDAETEKLI
RMKDEELRRMQEMLQRMKQQMQDQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 SEPTIN5 septin 5 [Homo sapiens (human)]

Official Symbol SEPTIN5

Synonyms SEPTIN5; septin 5; H5; SEPT5; CDCREL; PNUTL1; CDCREL1; CDCREL-1; HCDCREL-1; septin-5; cell division control related protein 1; peanut-like 1; platelet glycoprotein Ib beta chain; EC 3.1.5.1

Gene ID 5413

mRNA Refseq NM_002688

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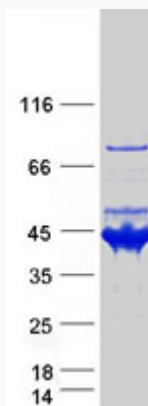
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Protein Refseq NP_002679

MIM 602724

UniProt ID Q99719

SDS-PAGE



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