

## Recombinant Human SEPT5, His-tagged

Cat. No. SEPT5-3591H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SEPT5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-369aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	SEPT5, also known as septin-5, belongs to 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.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.3M NaCl, 1mM DTT
<b>Molecular Weight</b>	45.2 kDa (392aa), confirmed by MALDI-TOF
<b>Purity</b>	> 90% by SDS - PAGE
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MGSMSTGLRY KSKLATPEDK QDIDKQYVGF ATLPNQVHRK SVKKGFDFTL MVAGESGLGK STLVHSLFLT DLYKDRKLLS AEERISQTVE ILKHTVDIEE KGVKCLKTIV DTPGFGDAVN NTECWKPITD YVDQQFEQYF RDESGLNKRN IQDNRVHCCL YFISPFHGHL RPVDVGFMK A

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LHEKVNIVPL IAKADCLVPS EIRKLKERIR EEIDKFGIHV YQFPECDSDE  
 DEDFKQQDRE LKESAPFAVI GSNTVVEAKG QRVRGRLYPW GIVEVENQAH  
 CDFVKLRNML IRTMHDLKD VTCDVHYENY RAHCIQQMTS KLTQDSRMES  
 PIPILPLPTP DAETEKLRM KDEELRRMQE MLQRMKQQMQ DQ

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**
**Gene Name**

[SEPT5 septin 5 \[ Homo sapiens \]](#)

**Official Symbol**

SEPT5

**Synonyms**

SEPT5; H5; CDCREL; PNUTL1; CDCREL1; CDCREL-1; HCDCREL-1; septin 5; septin-5; peanut-like 1; OTTHUMP00000197271; OTTHUMP00000197272; OTTHUMP00000197273; OTTHUMP00000197274; OTTHUMP00000197275; OTTHUMP00000197276; OTTHUMP00000197396; OTTHUMP00000197410; platelet glycoprotein Ib beta chain; cell division control related protein 1; EC 3.1.5.1; peanut-like 1 (Drosophila); Cell division control-related protein 1; Peanut-like protein 1; CDCrel-13

**Gene ID**

[5413](#)

**mRNA Refseq**

[NM\\_001009939](#)

**Protein Refseq**

[NP\\_001009939](#)

**MIM**

[602724](#)

**UniProt ID**

[Q99719](#)

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<b>Chromosome Location</b>	22q11.21
<b>Function</b>	GTP binding; GTPase activity; nucleotide binding; protein binding; protein binding

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