

Recombinant Human SEPT5, His-tagged

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

SPECIFICATION

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

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LHEKVNIVPL IAKADCLVPS EIRKLKERIR EEIDKFGIHV YQFPECDSDE
 DEDFKQQDRE LKESAPFAVI GSNTVVEAKG QRVVRGRLYPW 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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Chromosome Location	22q11.21
Function	GTP binding; GTPase activity; nucleotide binding; protein binding; protein binding