Recombinant Human SEPT5 Protein, His-tagged

Cat. No. SEPT5-356H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEPT5(Ser77~Ser323) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser77~Ser323
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 (AACAAT) 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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	30.2kDa

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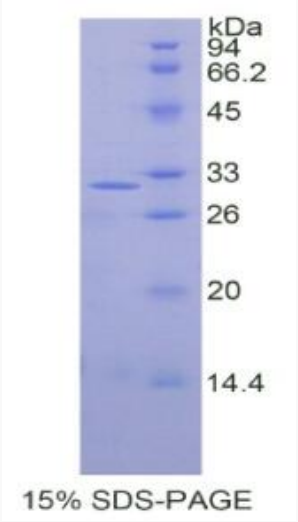
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 98%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	SEPT5 septin 5 [Homo sapiens]
Official Symbol	SEPT5
Synonyms	H5; CDCREL; PNUTL1; CDCREL1; CDCREL-1; HCDCREL-1
Gene ID	5413
mRNA Refseq	NM_001009939
Protein Refseq	NP_001009939

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UniProt ID	Q99719



15% SDS-PAGE

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