

Recombinant Human SEPT5 Protein, His-tagged

SEPT5-356H Human

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.

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.

Source

E. coli

Species

Human

Tag

His

Form

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Molecular Mass

30.2kDa

Protein length

Ser77~Ser323

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

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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
UniProt ID	Q99719

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