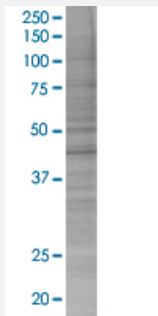


# SEPT5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005413-T01

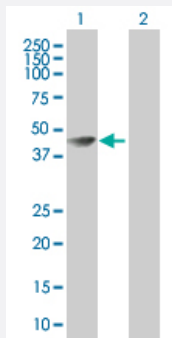
Size 100 uL

## Applications



### SDS-PAGE Gel

SEPT5 transfected lysate



### Western Blot

Lane 1: SEPT5 transfected lysate ( 42.8 KDa).

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-SEPT5 full-length
Host	Human
Theoretical MW (kDa)	42.8
Interspecies Antigen Sequence	Mouse (99)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-SEPT5 antibody ([H00005413-B02](#)) by Western Blots.  
SDS-PAGE Gel  
SEPT5 transfected lysate  
Western Blot  
Lane 1: SEPT5 transfected lysate ( 42.8 KDa).  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — SEPT5

**Entrez GeneID**[5413](#)**GeneBank Accession#**[NM\\_002688](#)**Protein Accession#**[NP\\_002679](#)**Gene Name**

SEPT5

**Gene Alias**

CDCREL, CDCREL-1, CDCREL1, H5, PNUTL1

**Gene Description**

septin 5

**Omim ID**[602724](#)**Gene Ontology**[Hyperlink](#)

**Gene Summary**

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. Two transcripts of this gene, a major one of 2.2 kb and a minor one of 3.5 kb, have been observed. The 2.2 kb form results from the utilization of a non-consensus polyA signal (AACAAAT). In the absence of polyadenylation from this imperfect site, the consensus polyA signal of the downstream neighboring gene (GP1BB; platelet glycoprotein Ib) is used, resulting in the 3.5 kb transcript. An alternatively spliced transcript variant with a different 5' end has also been identified, but its full-length nature has not been completely determined. [provided by RefSeq]

**Other Designations**

cell division control related protein 1|peanut-like 1|platelet glycoprotein Ib beta chain