Recombinant Human SEPT5 Protein, His-GST-tagged

Cat. No. SEPTIN5-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SEPT5 Protein (1-369 aa (full-length)) with 6xHis-GST tags was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-369
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.
Molecular Mass	71.7 kDa
Purity	>95% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB), immunobloting with anti-6xHis (WB).

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

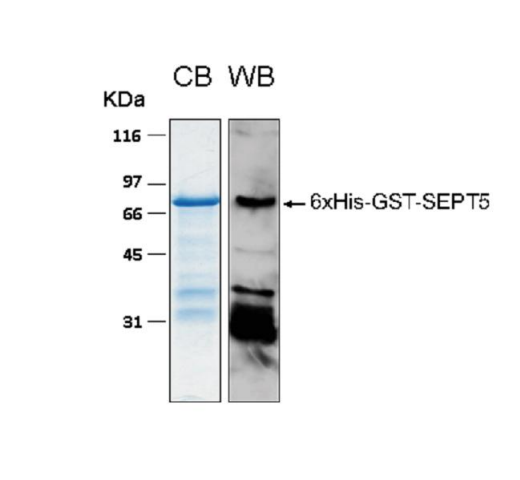
Applications	ELISA, Western Blot, Antibody Production, Protein array
Quality Control Test	10% SDS-PAGE stained with Coomassie Blue (CB), immunobloting with anti-GST monoclonal and peptide fingerprinting by MALDI-TOF mass spectrometry.
Storage	Store working aliquots at 4 centigrade for up to one week. For extended storage, conserve at −80 centigrade.
Expiry	12 months from the date of purchase, if it is properly stored.
Storage Buffer	Phosphate-Buffered Saline (PBS), pH 7.4. No preservatives added.
Shipping	Dry Ice

GENE INFORMATION

Gene Name	SEPTIN5 septin 5 [Homo sapiens (human)]
Official Symbol	SEPTIN5
Synonyms	SEPTIN5; septin 5; H5; SEPT5; CDCREL; PNUTL1; CDCREL1; CDCREL-1; HCDCREL-1; septin-5; cell division control related protein 1; peanut-like 1; platelet glycoprotein Ib beta chain; EC 3.1.5.1
Gene ID	5413
mRNA Refseq	NM_002688
Protein Refseq	NP_002679
MIM	602724

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UniProt ID	Q99719



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