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**Product Data Sheet**


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Product Name: SEPT5 Human  
 Cat. No.: GP24524  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Septin 5; PNUTL1; H5; HCDCREL-1; CDCREL-1; cell division control related protein 1; Peanut-like protein 1 (Drosophila); platelet glycoprotein Ib beta chain.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSTGLRY KSKLATPEDK QDIDKQYVGF ATLPNQVHRK SVKKGFDFTL MVAGESGLGK STLVHSLFLT DLYKDRKLLS AEERISQTVE ILKHTVDIEE KGVKCLKTIV DTPGFGDAVN NTECWKPITD YVDQQFEQYF RDESGLNRKN IQDNRVHCCL YFISPFHGHL RPVDVGF MKA LHEKVNIVPL IAKADCLVPS EIRKLERIR EEIDKFGIHV YQFPECDSDE DEDFKQQDRE LKESAPFAVI GSNTVVEAKG QRVGRRLYPW GIVEVENQAH CDFVKLRNML IRTMHDLKD VTCDVHYENY RAHCIQQMTS KLTQDSRMES PIPILPLPTP DAETEKLRIM KDEELRRMQE MLQRMKQQMQ DQ		
Formulation	SEPT5 protein (0.25mg/ml) is supplied in 20mM Tris-HCL, pH-8, 0.3M NaCl, 1mM DTT and 40% Glycerol.		

**Introduction**

SEPT5 is a member of the septin gene family of nucleotide binding proteins which were initially defined in yeast as cell division cycle regulatory proteins. Septins are extremely conserved in yeast, Drosophila, and mouse and seem to regulate cytoskeletal organization. Interference of septin function disrupts cytokinesis and results in high multinucleate or polyploid cells.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

SEPT5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 392 amino acids (1-369) and having a molecular mass of 45.2 kDa. The SEPT5 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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