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**Product Data Sheet**


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Product Name: SEPT6 Human  
 Cat. No.: GP24525  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Septin 6; Septin 2; SEP2; KIAA0128; SEPT2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAATDIA RQVGEGCRTV PLAGHVGFD LPDQLVNKSV SQGFCFNILC VGETGLGKST LMDTLFNTKF EGEPATHTQP GVQLQSNTYD LQESNVRLKL TIVSTVGFGD QINKEDSYKP IVEFIDAQFE AYLQEELKIR RVLHTYHDSR IHVCLYFIAP TGHSLKSLDL VTMKKLDSKV NIPIIAKAD AISKSELTKF KIKITSELVS NGVQIQFPT DDESVAEING TMNAHLPFV IGSTEELKIG NKMMRARQYP WGTVQVENE HCDFVKLREM LIRVNMEDLR EQTHTRHYEL YRRCKLEEMG FKDTDPDSKP FSLQETYEAK RNEFLGELQK KEEEMRQMFV QRVKEKEAEL KEAEKELHEK FDRLKKLHQD EKKKLEDKKK SLDDEVNAFK QRKTAELPQ SQGSQAGGSQ TLKRDKEKKN NPWLCTE		
Formulation	The SEPT6 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.1M NaCl and 10% glycerol.		

**Introduction**

SEPT6 is a member of the septin family of GTPases and is functionally involved in cytokinesis and conservation of cellular morphology. SEPT6 interact with SEPT2. The genes encoding the mixed-lineage leukemia and SEPT2 breakpoint proteins are associated with one type of pediatric acute myeloid leukemia which is caused by reciprocal translocation between chromosomes 11 and X.

**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

SEPT6 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 457 amino acids (1-434) and having a molecular mass of 52.1 kDa. SEPT6 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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