

Recombinant Human SEPT6, HIS-tagged

Cat. No. SEPT6-30968TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SEPT6 with a N terminal His tag; 457 amino acids with the tag; predicted MWt of 52.1 kDa.
Species	Human
Source	E.coli
ProteinLength	434 amino acids
Description	This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins. This gene encodes four transcript variants encoding three distinct isoforms. An additional transcript variant has been identified, but its biological validity has not been determined.
Conjugation	HIS
Molecular Weight	52.100kDa inclusive of tags
Tissue specificity	Widely expressed.
Form	Liquid

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Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.03% DTT, 10% Glycerol, 0.58% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	<p>MGSSHHHHHSSGLVPRGSHMGSM AATDIARQVGEGCRTVPLAGHVGFDSLDPQ</p> <p>LVNKSVSQGFCFNILCVGETGLGKSTLMDTLFNTKFEGEPATHHTQPGVQLQSNTYDL</p> <p>QESNVRLKLTIVSTVGFGDQINKEDSYKPIVEFIDAQFEAYLQEELKIRRVLHTYHDSR</p> <p>IHVCLYFIAPTGHSLKSLDLVTMKKLDSKVNIIPIAKADAISKSELTKFKIKITSELVSNG</p> <p>VQIYQFPTDDESVAEINGTMNAHLPPFAVIGSTEELKIGNKMMRARQYPWGT VQVEN</p> <p>EAHCDFVKLREMLIRVNMEDLREQTHTRHYELYRRCKLEEMGFKDTPDSKPFSLQ</p> <p>ETYEAKRNEFLGELQKKEEEMRQMFVQRVKEKEAELKEAEKELHEKFDRLKKLHQD</p> <p>EKKKLEDKKKSLDDEVNAFKQRKTA AELPQSQGSQAGGSQTLKRDKEKKNNPWLC</p> <p>TE</p>
Sequence Similarities	Belongs to the septin family.
GENE INFORMATION	
Gene Name	SEPT6 septin 6 [Homo sapiens]
Official Symbol	SEPT6
Synonyms	SEPT6; septin 6; septin-6; KIAA0128; MGC16619; MGC20339; SEP2; SEPT2;
Gene ID	23157

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mRNA Refseq	NM_015129
Protein Refseq	NP_055944
MIM	300683
Uniprot ID	Q14141
Chromosome Location	Xq24
Function	GTP binding; nucleotide binding; protein binding;

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