

## Recombinant Human Septin 2, His-tagged

Cat. No. SEPT2-2806H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human Septin2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 43.6 kDa (381aa), confirmed by MALDI-TOF.

**Species** Human

**Source** E.coli

**Description** Septin2 (SEPT2) is a GTPase that is required for cytokinesis and associated with exocytosis. This protein can hetero-oligomerize with Septin6, 7 and also plays a role in the organization of new growth in organisms. It is associated with a Tau-based paired helical filament core and may contribute to the formation of neurofibrillary tangle as integral constituents of paired helical filaments.

**Sequences Of Amino Acids**

MGSSHHHHHH SSGLVPRGSH MSKQQPTQFI NPETPGYVGF ANLPNQVHRK  
 SVKKGFEFTL MIVGESGLGK STLINSLFLT DLYPERVISG AAEKIERTVQ  
 IEASTVEIEE RGVKLRLTVV DTPGYGDAIN CRDCFKTIIS YIDEQFERYL  
 HDESGLNRRH IIDNRVHCCF YFISPFHGHL KPLDVAFMKA IHNKVNIVPV  
 IAKADTLTLK ERERLKKRIL DEIEEHNKI YHLPDAESDE DEDFKEQTRL  
 LKASIPFSVV GSNQLIEAKG KKVGRGLYPW GVVEVENPEH NDFLKLRTML  
 ITHMQDLQEV TQDLHYENFR SERLKRGRK VENEDMNKDQ ILLEKEAELR  
 RMQEMIARMQ AQMQMQMQGG DGDGGALGHH V

**Purity** > 90% by SDS – PAGE.

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<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl,1mM DTT.
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay).
<b>Storage</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SEPT2 septin 2 [ Homo sapiens ]
<b>Synonyms</b>	SEPT2; septin 2; DIFF6; NEDD5; Pnutl3; hNedd5; KIAA0158; septin-2; NEDD-5; OTTHUMP00000200248; OTTHUMP00000200249; neural precursor cell expressed, developmentally down-regulated 5; neural precursor cell expressed developmentally down-regulated protein 5
<b>Gene ID</b>	4735
<b>mRNA Refseq</b>	NM_001008491
<b>Protein Refseq</b>	NP_001008491
<b>MIM</b>	601506
<b>UniProt ID</b>	Q15019
<b>Chromosome Location</b>	2q37
<b>Function</b>	GTP binding; enzyme regulator activity; nucleotide binding; protein binding; protein complex scaffold

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