

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 MVVGESGLGK STLINSLFLT DLYPERVISG AAKEIERTVQ IEASTVEIEE RGVKLRLTVV DTPGYGDAIN CRDCFKTIIS YIDEQFERYL HDESGLNRRH IIDNRVHCCF YFISPFHGHL KPLDVAFMKA IHNKVNIVPV IAKADTLTLK ERERLKKRIL DEIEEHNIKI YHLPDAESDE DEDFKEQTRL LKASIPFSVV GSNQLIEAKG KKVGRGRLYPW GVVEVENPEH NDFLKLRTML ITHMQDLQEV TQDLHYENFR SERLKRGGGRK VENEDMNKDQ ILLEKEAELR RMQEMIARMQ AQMQMQMQGG DGDGGALGHH V
Purity	> 90% by SDS – PAGE.

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Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl,1mM DTT.
Concentration	0.25 mg/ml (determined by Bradford assay).
Storage	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.

GENE INFORMATION

Gene Name	SEPT2 septin 2 [Homo sapiens]
Synonyms	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
Gene ID	4735
mRNA Refseq	NM_001008491
Protein Refseq	NP_001008491
MIM	601506
UniProt ID	Q15019
Chromosome Location	2q37
Function	GTP binding; enzyme regulator activity; nucleotide binding; protein binding; protein complex scaffold

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