

Recombinant Human Septin 2, His-tagged

Cat. No. SEPT2-4583H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SEPT2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 381 amino acids (1-361a.a.) and having a molecular mass of 43.6kDa. SEPT2 is fused to 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	1-361 a.a.
Description	SEPT2 is a GTPase which is mandatory for cytokinesis and related to exocytosis. Septin-2 protein is able to hetero-oligomerize with Septin6, 7 and in addition takes part in the organization of new growth in organisms. SEPT2 is associated with a Tau-based paired helical filament core and contributes to the creation of neurofibrillary tangle as integral constituents of paired helical filaments.
Form	SEPT2 solution (0.25mg/1ml) containing 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.
Purity	Greater than 90% as determined by SDS-PAGE.
Physical Appearance	Sterile filtered colorless solution.
Amino acid	MGSSHHHHHH SSGLVPRGSH MSKQQPTQFI NPETPGYVGF ANLPNQVHRK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

sequence

SVKKGFEFTL MVVGESGLGK STLINSLFLT DLYPERVISG AAEEKIERTVQ
 IEASTVEIEE RGVKLRLTVV DTPGYGDAIN CRDCFKTIIS YIDEQFERYL
 HDESGLNRRH IIDNRVHCCF YFISPFHGHL KPLDVAFMKA IHNKVNIVPV
 IAKADTLTLK ERERLKKRIL DEIEEHNIKI YHLPDAESDE DEDFKEQTRL
 LKASIPFSVV GSNQLIEAKG KKVRGRLYPW GVVEVENPEH NDFLKLRTML
 ITHMQDLQEV TQDLHYENFR SERLKRGGGRK VENEDMNKDQ ILLEKEAELR
 RMQEMIARMQ AQMQMQMQGG DGDGGALGHH V

Storage

Septin2 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

GENE INFORMATION

Gene Name [SEPT2 septin 2 \[Homo sapiens \]](#)

Official Symbol SEPT2

Synonyms SEPT2; septin 2; DIFF6; NEDD5; Pnutl3; hNedd5; KIAA0158; septin-2; NEDD-5; OTTHUMP00000200241; OTTHUMP00000200242; OTTHUMP00000200248; OTTHUMP00000200249; OTTHUMP00000200250; OTTHUMP00000200251; 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	Q15019
Chromosome Location	2q37
Pathway	CDC42 signaling events
Function	GTP binding; enzyme regulator activity; nucleotide binding; protein binding; protein complex scaffold

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA