

## SEPT2 Human

**Description:** SEPT2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 381 amino acids (1-361 a.a.) and having a molecular mass of 43.6kDa. SEPT2 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-262

For research use only.

**Synonyms:** Septin 2, DIFF6, NEDD5, hNedd5, Pnut13, NEDD-5.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSKQQPTQFI NPETPGYVGF  
ANLPNQVHRK SVKKGFEFTL MVVGESGLGK STLINSLFLT DLYPERVISG AAEKIERTVQ  
IEASTVEIEE RGVKLRLTVV DTPGYGDAIN CRDCFKIIS YIDEQFERYL HDESLNRRH  
IIDNRVHCCF YFISPFHGHL KPLDVAFMKA IHNKVNIVPV IAKADTLTLK ERERLKKRIL  
DEIEEHNIKI YH

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

SEPT2 solution (0.25mg/1ml) containing 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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