

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 HDESGLNRRH
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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