

AR09655PU-L

Human Septin-2 (1-361, His-tag) - Purified

Alternate names: DIFF6, KIAA0158, NEDD-5, NEDD5, Neural precursor cell expressed developmentally down-regulated protein 5, SEPT-2, SEPT2, Septin2

Quantity: 0.25 mg

Concentration: 0.25 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: [Q15019](#)

NCBI: [NP_001008491](#)

GeneID: [4735](#)

Species: Human

Source: E. coli

Format: **State:** Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Description: Recombinant human Septin2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSKQQPTQFI NPETPGYVGF ANLPNQVHRK SVKKGFEFTL
MVVGESGLGK STLINSLFLT DLYPERVISG AAEKIERTVQ IEASTVEIEE RGVKRLRLTVV
DTPGYGDAIN CRDCFKTIIIS YIDEQFERYL HDESGLNRRH IIDNRVHCCF YFISPFHGHL
KPLDVAFMKA IHNKVNIVPV IAKADTLTLK ERERLKKRIL DEIEEHNIKI YHLPDAESDE
DEDFKEQTRL LKASIPFSVV GSNQLIEAKG KKVVRGRLYPW GVVEVENPEH NDFLKLRTML
ITHMQDLQEV TQDLHYENFR SERLKRGGRK VENEDMNKDQ ILLEKEAELR RMQEMIARMQ
AQMQMVMQGG DGDGGALGHH V

Molecular weight: 43.6 kDa (381aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

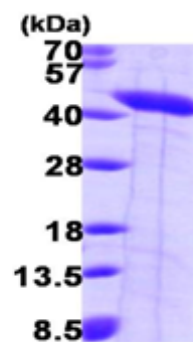
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings: Low C, et al.. (2006) J Biol Chem. 281(41):30697-706.
Kremer BE, et al. (2007) Cell. 130(5):837-50.

Pictures:

Recombinant human SEPT2, 1-361 aa, His-tagged



15% SDS-PAGE (3ug)