NKMAXBio we support you, we believe in your research Recombinant human SEPT2/SEPTIN2 protein Catalog Number: ATGP0717

PRODUCT INFORMATION

Expression system E.coli

Domain 1-361aa

UniProt No. Q15019

NCBI Accession No. AAH14455

Alternative Names Septin 2, hNedd5, KIAA0158, DIFF6, Pnutl3

PRODUCT SPECIFICATION

Molecular Weight 43.6 kDa (381aa) confirmed by MALDI-TOF

Concentration 0.25mg/ml (determined by Bradford assay)

Formulation Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl,1mM DTT

Purity > 90% by SDS-PAGE

Tag His-Tag

Application SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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



Amino acid Sequence

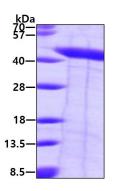
<MGSSHHHHHH SSGLVPRGSH> MSKQQPTQFI NPETPGYVGF ANLPNQVHRK SVKKGFEFTL MVVGESGLGK STLINSLFLT DLYPERVISG AAEKIERTVQ IEASTVEIEE RGVKLRLTVV DTPGYGDAIN CRDCFKTIIS YIDEQFERYL HDESGLNRRH IIDNRVHCCF YFISPFGHGL KPLDVAFMKA IHNKVNIVPV IAKADTLTLK ERERLKKRIL DEIEEHNIKI YHLPDAESDE DEDFKEQTRL LKASIPFSVV GSNQLIEAKG KKVRGRLYPW GVVEVENPEH NDFLKLRTML ITHMQDLQEV TQDLHYENFR SERLKRGGRK VENEDMNKDQ ILLEKEAELR RMQEMIARMQ AQMQMQMQGG DGDGGALGHH V

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.