

**SEPT2, 1-361aa, Human, His tag, E.coli**

**Cat.NO.: TP03888**

3th Edition

**Synonyms:**Septin-2, hNedd5, KIAA0158, DIFF6

**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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT

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

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSKQQPTQFINPETPGYVGFANLPNQVHRKSVKKGFEFTLMVVGESGLGKSTLIN  
SLFLTDLYPERVISGAAEKIERTVQIEASTVEIEERGVLRLTVVDTPGYGDAINCRDCFKTIISYIDEQFERYLHDESG  
LNRRHIIDNRVHCCFYFISPFHGLKPLDVAFMKAIHNKVNIIVPIAKADTLTKERERLKKRILDEIEEHNIKIYHLPDA  
ESDEDEDFKEQTRLLKASIPFSVVGSNQLIEAKGKKVRGRLYPWGVVEVENPEHNDFLKLRTMLITHMQDLQEVTQ  
DLHYENFRSERLKRGGGRKVENEDMNKDQILLEKEAELRRMQEMIARMQAQMQMGMQGGDGDGGALGHHV

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.