

# Recombinant human SEPT3/SEPTIN3 protein

Catalog Number: ATGP2919

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-358aa

### UniProt No.

Q9UH03

### NCBI Accession No.

NP\_663786.2

### Alternative Names

Septin 3, Neuronal-specific septin-3, 41885

## PRODUCT SPECIFICATION

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### Molecular Weight

43.1 kDa (381aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by BRADFORD assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol 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

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### Description

SEPT3 belongs to the septin family of GTPases. Members of this family are required for cytokinesis. Expression is upregulated by retinoic acid in a human teratocarcinoma cell line. The specific function of this gene has not been determined. Alternative splicing of this gene results in two transcript variants encoding different isoforms. Recombinant human SEPT3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>MSKGLPE TRTDAAMSEL VPEPRPKPAV PMKPMSINSN LLGYIGIDTI  
IEQMRKKTMTK TGFDFNIMVV GQSGLGKSTL VNTLFKSQVS RKASSWNREE KIPKTVEIKA IGHVIEEGGV KMKLTVIDTP  
GFGDQINNEN CWEPIEKYIN EQYEKFLKEE VNIARKKRIP DTRVHCCLYF ISPTGHSRLP LDLEFMKHL S KVVNIIPVIA  
KADMTLEEK SEFKQVRKE LEVNGIEFYP QKEFDEDLED KTENDKIRQE SMPFAVVGSD KEYQVNGKRV LGRKTPWGII  
EVENLNHCEF ALLRDFVIRT HLQDLKEVTH NIHYETYRAK RLNDNGGLPP GEGLLGTVLP PVPATPCPTA E

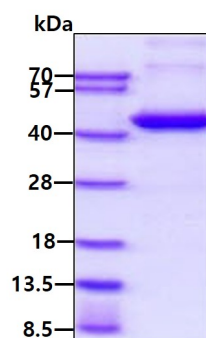
## General References

Methner A. et al. (2001) *Biochem. Biophys. Res. Commun.* 283:48-56.

Macedo J.N. et al. (2013) *Biochem. J.* 450:95-105.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain