

Recombinant human SEPT3/SEPTIN3 protein

Catalog Number: ATGP2919

PRODUCT INFORMATION

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

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

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

<MGSSHHHHHH SSGLVPRGSH MGS>MSKGLPE TRTDAAMSEL VPEPRPKPAV PMKPMSINSN LLGYIGIDTI
IEQMRKKTMTK TGFDNFIMVV GQSLGKSTL VNTLFKSQVS RKASSWNREE KIPKTVEIKA IGHVIEEGGV KMKLTVIDTP
GFGDQINNEN CWEPIEKYIN EQYEKFLKEE VNIARKKRIP DTRVHCCLYF ISPTGHSRLP LDLEFMKHLN KVVNIIPVIA
KADTMITLEEK SEFKQVRKE LEVNGIEFYP QKEFDEDLED KTENDKIRQE SMPFAVVGSD KEYQVNGKRV LGRKTPWGII
EVENLNHCEF ALLRDFVIRT HLQDLKEVTH NIHYETIRAK RLNDNGGLPP GEGLLGTVLP PVPATPCPTA E

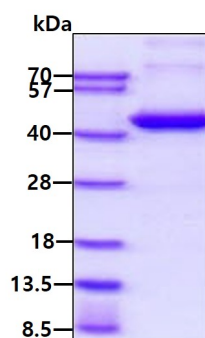
General References

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



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