Neuronal-Specific Septin-3 (SEPT3) Protein

PRODUCT OVERVIEW

Product Name	Neuronal-specific septin-3 (SEPT3), Protein
Full Product Name	Neuronal-specific septin-3
Product Gene Name	SEPT3 protein
Product Synonym Names	Sep3
Host	E Coli
Form/Format	Liquid
Purity/Purification	>95% by SDS-PAGE
Preparation and Storage	Store at -20 degree C. Avoid repeated freezing and thawing.
Molecular Weight	9,061 Da
OMIM	608314
3D Structure	ModBase 3D Structure for Q9UH03
Tags	His
Storage Buffer	50mM NaH2PO4, 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Applications Tested/Suitable for SEPT3 protein	ELISA (EIA), Western Blot (WB), Affinity Purification (AP), Protein Array
Related Product Information for SEPT3 protein	MBS2889230 is a protein targeting SEPT3. Also known as Neuronal-specific septin-3. Host: E Coli.
Other Notes	Small volumes of SEPT3 protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SEPT3. It may not necessarily be applicable to this product.

NCBI GI #	156602653
NCBI GeneID	55964
NCBI Accession #	NP_061979.3
UniProt Primary Accession #	Q9UH03
UniProt Secondary Accession #	Q2NKJ7; Q59GF7; Q6IBZ6; Q8N3P3; Q9HD35; B1AHR0
UniProt Related Accession #	Q9UH03
GenBank Nucleotide #	NM_019106.5
NCBI Official Full Name	neuronal-specific septin-3 isoform B
NCBI Official Synonym Full Names	septin 3
NCBI Official Symbol	SEPT3

NCBI Official Synonym Symbols	SEP3; bK250D10.3
UniProt Protein Name	Neuronal-specific septin-3
Protein Family	Neuronal-specific septin
UniProt Gene Name	SEPT3
UniProt Synonym Gene Names	SEP3
NCBI Protein Information	neuronal-specific septin-3
NCBI Summary for SEPT3	This gene 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 several transcript variants encoding different isoforms. [provided by RefSeq, May 2018]
UniProt Comments for SEPT3	Filament-forming cytoskeletal GTPase (). May play a role in cytokinesis (Potential).
Research Articles on SEPT3	**1.** SUMOylation of human septins is critical for septin filament bundling and cytokinesis.
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