

Product datasheet for SC332472

SEPTIN4 (NM_001256782) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SEPTIN4 (NM_001256782) Human Untagged Clone
Tag: Tag Free
Symbol: SEPTIN4
Synonyms: ARTS; BRADEION; C17orf47; CE5B3; H5; hCDCREL-2; hucep-7; MART; PNU TL2; SEP4; SEPT4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332472 representing NM_001256782.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGGAGCTCTCCAGCCCTGTTTCAGCAGCAGAGCTGCTCCCCAGAAGCCAAGAAAAGAAGGCTCCCAA
GCAGCTGGGCTGCTGGTCTTCTCTGACTCTCTGGAGATCAAGCGTTTCTGGAGGACACCACGGATGAT
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TATGTGGGCTTTGCAACCTCCCAACCAAGTCCACCGAAAGTCCGTGAAGAAAGGCTTTGACTTTACC
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CGGAGACACATTATGAGAACTACCGGCACAGTGCATCCAGAGCATGACCCGCCTGGTGGTGAAGGAA
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AAAATACAAAACAGATGAAGGAGAATTA
  
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Restriction Sites: Sgfl-MluI
ACCN: NM_001256782
Insert Size: 1482 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001256782.1
RefSeq Size:	1803 bp
RefSeq ORF:	1482 bp
Locus ID:	5414
UniProt ID:	O43236
Cytogenetics:	17q22
MW:	56.6 kDa
Gene Summary:	<p>This gene is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, <i>Drosophila</i>, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. This gene is highly expressed in brain and heart. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. One of the isoforms (known as ARTS) is distinct; it is localized to the mitochondria, and has a role in apoptosis and cancer. [provided by RefSeq, Nov 2010]</p> <p>Transcript Variant: This variant (7) encodes the longest isoform (5).</p>