

# Recombinant Full Length Human PSPC1 Protein, MYC/DDK-tagged

**Cat. No.** PSPC1-3092H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Human PSPC1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-523 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | <p>This gene encodes a nucleolar protein that localizes to punctate subnuclear structures that occur close to splicing speckles, known as paraspeckles. These paraspeckles are composed of RNA-protein structures that include a non-coding RNA, NEAT1/Men epsilon/beta, and the Drosophila Behavior Human Splicing family of proteins, which include the product of this gene and the P54NRB/NONO and PSF/SFPQ proteins. Paraspeckles may function in the control of gene expression via an RNA nuclear retention mechanism. The protein encoded by this gene is found in paraspeckles in transcriptionally active cells, but it localizes to unique cap structures at the nucleolar periphery when RNA polymerase II transcription is inhibited, or during telophase. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene, which is also located on chromosome 13, has been identified.</p> |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 58.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|               |                                                             |
|---------------|-------------------------------------------------------------|
| <b>Purity</b> | > 80% as determined by SDS-PAGE and Coomassie blue staining |
|---------------|-------------------------------------------------------------|

|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method |
|----------------------|--------------------------------------------------|

## GENE INFORMATION

|                  |                                                |
|------------------|------------------------------------------------|
| <b>Gene Name</b> | PSPC1 paraspeckle component 1 [ Homo sapiens ] |
|------------------|------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | PSPC1 |
|------------------------|-------|

|                 |            |
|-----------------|------------|
| <b>Synonyms</b> | PSP1; PSP1 |
|-----------------|------------|

|                |       |
|----------------|-------|
| <b>Gene ID</b> | 55269 |
|----------------|-------|

|                    |              |
|--------------------|--------------|
| <b>mRNA Refseq</b> | NM_001042414 |
|--------------------|--------------|

|                       |              |
|-----------------------|--------------|
| <b>Protein Refseq</b> | NP_001035879 |
|-----------------------|--------------|

|            |        |
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| <b>MIM</b> | 612408 |
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| <b>UniProt ID</b> | Q8WXF1 |
|-------------------|--------|

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