

Recombinant Human PSPC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PSPC1-6042H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PSPC1 MS Standard C13 and N15-labeled recombinant protein (NP_001035879) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	58.6 kDa
AA Sequence	MMLRGNLKQVRIEKNPARLRALESVGESEPAAMALALAGEPAPPAPAPPEDH PDEEMGFTIDIKSFLKPGEKTYTQRCRLFVGNLPTDITEEDFKRLFERYGEPSEVFIN

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RDRGFGFIRLESRTLAEIAKAELDGILKSRPLRIRFATHGAALTVKNLSPVVSNELLE
 QAFSQFGPVEKAVVVVDDRGRATGKGFVEFAAKPPARKALERCGDGAFLTTTPRP
 VIVEPMEQFDDDEDGLPEKLMQKTQQYHKEREQPPRFAQPGTFEFYASRWKALDE
 MEKQQREQVDRNIREAKEKLEAEMEAARHEHQLMLMRQDLMRRQEELRRLEELRN
 QELQKRKQIQLRHEEEHRRREEEMIRHREQEELRRQQEGFKPNYMENREQEMRM
 GDMGPRGAINMGDAFSPAPAGNQGPPPMGMNMNNRATIPGPPMGPGPAMGPE
 GAANMGTPMMPDNGAVHNDRFPQGPPSQMGSPMGSRTGSETPQAPMSGVGPVS
 GPGGGFGRGSQGGNFEGPNKRRRYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PSPC1 paraspeckle component 1 [Homo sapiens (human)]

Official Symbol PSPC1

Synonyms PSPC1; paraspeckle component 1; FLJ10955; PSP1; paraspeckle protein 1; FLJ33554; DKFZp566B1447;

Gene ID 55269

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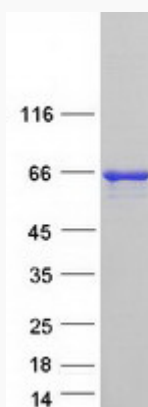
mRNA Refseq NM_001042414

Protein Refseq NP_001035879

MIM 612408

UniProt ID Q8WXF1

SDS-PAGE



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