

Product datasheet for TP323202

PSPC1 (NM_001042414) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human paraspeckle component 1 (PSPC1), transcript variant alpha, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC223202 representing NM_001042414

Red=Cloning site Green=Tags(s)

MMLRGNLKVRIEKNPARLRALESVAVGESEPAAMALALAGEPAPPAPAPPEDHPDEEMGFTIDIKSF
LKPGEKTYTQRCRLFVGNLPTDITEEDFKRLFERYGEPSEVFINRDRGFGFIRLESRTLAEIAKAELDGT
ILKSRPLRIRFATHGAALTVMNLSPVSNELLEQAQFSQFGPVEKAVVVVDDRGRATGKGFVEFAAKPPAR
KALERCVDGAFLLTTTPRVIVPEMEQFDEDEDGLPEKLMQKTQYHKEREQPPRFAQPGTFFEFYASRWK
ALDEMEKQQREQVDRNIREAKEKLEAEMEAAARHEHQLMLMRQDLMRRQEELRRLEELRNQELQKRKQIQL
RHEEEHRRREEEMIRHREQEELRRQQEGFKPNYEMENREQEMRMGDMGPRGAINMGDAFSPAPAGNQGPPP
MMGMNMRATIPGPPMGPAMGPEGAANMGTPMMPDNGAVHNDRFQGGPPSQMGSPMGSRTGSETPQA
PMSGVGPVSGGPGGFGRGSQGGNFEGPNKRRRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 58.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.



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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001035879](#)

Locus ID: 55269

UniProt ID: [Q8WXF1](#)

RefSeq Size: 2077

Cytogenetics: 13q12.11

RefSeq ORF: 1569

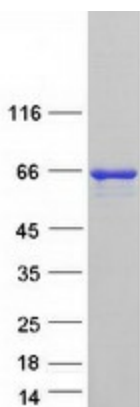
Synonyms: PSP1

Summary: 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. [provided by RefSeq, Aug 2011]

Protein Families: Transcription Factors

Families:

Product images:



Coomassie blue staining of purified PSPC1 protein (Cat# TP323202). The protein was produced from HEK293T cells transfected with PSPC1 cDNA clone (Cat# [RC223202]) using MegaTran 2.0 (Cat# [TT210002]).