

Active Recombinant Human PSIP1, 1-333aa

Cat. No. PSIP1-1075H Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

Source E.coli

Description

The human p52 protein is a non-TAF transcription coactivator that mediates activator-dependent transcription by RNA Polymerase II. The function of p52 is through interactions with transcriptional activators and the basal transcription machinery. In addition, p52 could also interact with several cellular proteins including the transcription coactivator PC4, the essential splicing factor ASF/SF2 and the nuclear protein nucleolin. Recombinant p52 protein (wild type, 333 amino acids) is isolated from an E.coli strain that carries the coding sequence of human p52 under the control of T7 promoter and purified by the combination of an affinity column and FPLC chromatography. Recombinant p52 has been utilized for in vitro function studies, including transcription, splicing, protein-DNA/RNA and protein-protein interactions. Protein is greater than 95% homogeneous and contains no detectable protease, DNase, and RNase activity.

Form

Liquid. Supplied in 20mM Tris-HCl pH7.9, 20% glycerol, 100mM KCl, 0.2mM EDTA and 1mM DTT.

Activity

1ng are sufficient for an in vitro transcription assay and 100ng are sufficient for a protein-protein interaction assay.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% by SDS-PAGE.
Usage	For in vitro use only.
Storage	Quality guaranteed for 12 months. Store at -80°C. Avoid freeze / thaw cycles.
GENE INFORMATION	
Gene Name	PSIP1 PC4 and SFRS1 interacting protein 1 [Homo sapiens]
Synonyms	PSIP1; PC4 and SFRS1 interacting protein 1; p52; p75; PAIP; DFS70; LEDGF; PSIP2; MGC74712; transcriptional coactivator p52/p75; PC4 and SFRS1 interacting protein 2; OTTHUMP00000022753; OTTHUMP00000022754; OTTHUMP00000022756; CLL-associated antigen KW-7; Transcriptional coactivator p75/p52; Dense fine speckles 70 kDa protein; Lens epithelium-derived growth factor
Gene ID	11168
mRNA Refseq	NM_001128217
Protein Refseq	NP_001121689
MIM	603620
UniProt ID	O75475
Chromosome Location	9p22.2
Pathway	HIV Infection

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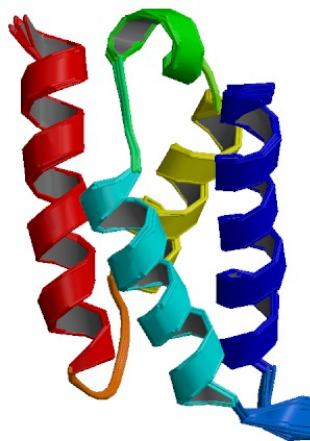
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Function

DNA binding

PDB rendering based
on 1z9e.



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