

## Recombinant Human S100P, His-tagged

Cat. No. S100P-31372TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length Human S100P , with N terminal His tag, 115 amino acids with tag, MWt 12.6kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca <sup>2+</sup> , also binds Zn <sup>2+</sup> and Mg <sup>2+</sup> . This protein may play a role in the etiology of prostate cancer.
<b>Conjugation</b>	HIS
<b>Tissue specificity</b>	Up-regulated in various pancreatic ductal adenocarcinomas and pancreatic intraepithelial neoplasias.
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 50mM Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MTELETAMGM IIDVFSRYSG SEGSTQTLTK GELKVLMEKE LPGFLQSGKD KDAVDKLLKD LDANGDAQVDFSEFIVFAA ITSACHKYFE KAGLK
<b>Sequence Similarities</b>	Belongs to the S-100 family. Contains 2 EF-hand domains.

## GENE INFORMATION

<b>Gene Name</b>	S100P S100 calcium binding protein P [ Homo sapiens ]
<b>Official Symbol</b>	S100P
<b>Synonyms</b>	S100P; S100 calcium binding protein P; protein S100-P;
<b>Gene ID</b>	6286
<b>mRNA Refseq</b>	NM_005980
<b>Protein Refseq</b>	NP_005971
<b>MIM</b>	600614
<b>Uniprot ID</b>	P25815
<b>Chromosome</b>	4p16

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



**Location**

**Function**

calcium ion binding; calcium-dependent protein binding; magnesium ion binding;  
protein binding;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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