

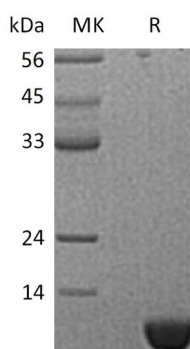
**Product Name: Recombinant Human S100P (N-6His)**  
**Catalog #: PEH1462**



## Summary

<b>Name</b>	S100P/S100 calcium-binding protein P
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human S100 Calcium Binding Protein P is produced by our E.coli expression system and the target gene encoding Met1-Lys95 is expressed with a 6His tag at the N-terminus.
<b>Accession #</b>	P25815
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	12.56 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 1mM DTT, 100mM NaCl, 20% Glycerol, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Protein S100-P; Protein S100-E; S100 Calcium-Binding Protein P; S100P; S100E
<b>Background</b>	Protein S100-P (S100P) belongs to the S100 family of Calcium-Binding Proteins.

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S100P is 95 amino acids in length and it contains 2 EF-Hand Calcium-Binding Motifs. The EF-Hand Motif binds calcium, which likely alters molecular conformation. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells and it is involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. In addition to binding Ca, S100P also binds Zn and Mg, and may play a role in the etiology of prostate cancer.

**Note**

For Research Use Only , Not for Diagnostic Use.