

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

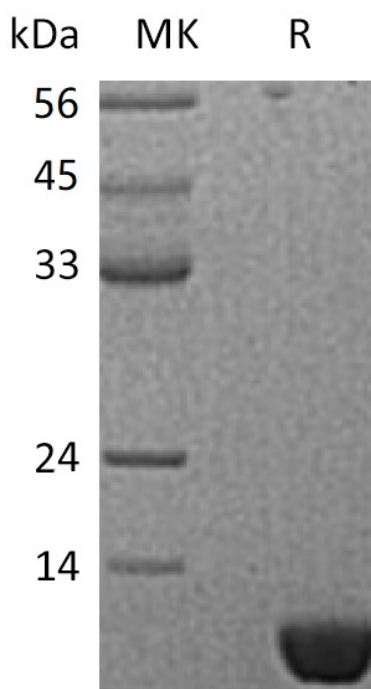


Summary

Name	S100P/S100 calcium-binding protein P
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P25815
Host	E.coli
Species	Human
Predicted Molecular Mass	12.56 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 1mM DTT, 100mM NaCl, 20% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	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.
Reconstitution	

SDS-PAGE image

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Alternative Names

Protein S100-P; Protein S100-E; S100 Calcium-Binding Protein P; S100P; S100E

Background

Protein S100-P (S100P) belongs to the S100 family of Calcium-Binding Proteins. 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.