

Datasheet for ABIN2444215
S100P Protein (AA 1-95)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	S100P
Protein Characteristics:	AA 1-95
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Sequence:	AA 1-95
Characteristics:	This protein carries no "tag". The protein has a calculated MW of 10.4 kDa. The protein migrates as 10.4 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	S100P
Alternative Name:	S100P (S100P Products)
Background:	S100 calcium-binding protein P (S100P), a member of the S-100 family, is also known as protein S100-P, migration-inducing gene 9 protein (MIG9) and protein S100-E, which contains two EF-hand domains. As for subunit structure, S100P is homodimer and heterodimer with S100A1. S100P may function as calcium sensor and contribute to cellular calcium signaling. In a

Target Details

calcium-dependent manner, S100P functions by interacting with other proteins, such as EZR and PPP5C, and indirectly plays a role in physiological processes like the formation of microvilli in epithelial cells. Furthermore, S100P may stimulate cell proliferation in an autocrine manner via activation of the receptor for activated glycation end products (RAGE).

Molecular Weight: 10.4 kDa

Pathways: [Regulation of Muscle Cell Differentiation](#), [Toll-Like Receptors Cascades](#), [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

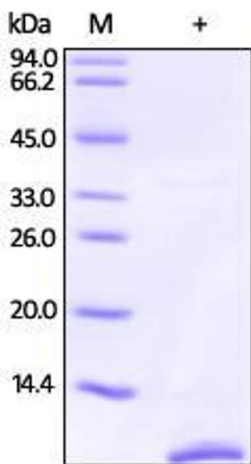
Buffer: 50 mM Tris, 150 mM NaCl, pH 8.0

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.

Images



SDS-PAGE

Image 1. Human S100P, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.