

32-7236: Recombinant Human S100 Calcium Binding Protein P/S100-P (N-6His)

Gene : S100P
Gene ID : 6286
Uniprot ID : P25815

Description

Source: E.coli.
MW :12.56kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 1mM DTT, 0.1M NaCl, 20% Glycerol, pH 8.0
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMTELETAMGMIIDVFSRYSGSEGSTQTLTKGELKVLMEKELPGFLQSGKDKD
AVDKLLKDL DANGDAQVDFSEFIVFVAITSACHKYFEKAGLK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.