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32-4762: Recombinant Human S100 Calcium Binding Protein P, His Tag

Alternative Name : Protein S100-E,S100E,Migration-Inducing Gene 9,MIG9.

Description

Source : Escherichia Coli. S100P Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 115 amino acids (1-95a.a.) and having a molecular mass of 12.6 kDa. S100P protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography. S100P is a Ca2+ binding protein that is part of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are found in the cytoplasm and/or nucleus of a large range of cells, and participates in the regulation of a number of cellular function such as cell cycle progression and differentiation. S100P participates in numerous biological functions but the exact functions or mechanism of its action is still mostly unknown. Once S100P binds calcium ions it goes through a conformational change that results in an exposure of a hydrophobic surface which permits the interaction with specific target proteins.

Product Info

Amount :	25 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	S100P Human solution containing 20mM Trsi HCL pH-8, 1mM DTT, 0.05M NaCl & 20% glycerol.
Storage condition :	S100P Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MTELETAMGM IIDVFSRYSG SEGSTQTLTK GELKVLMEKE LPGFLQSGKD KDAVDKLLKD LDANGDAQVD FSEFIVFVAA ITSACHKYFE KAGLK.

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