www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

S100P Human, His

Catalog #:PRPS-837

For research use only.

Description: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.

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

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MTELETAMGM IIDVFSRYSG SEGSTQTLTK GELKVLMEKE LPGFLQSGKD KDAVDKLLKD LDANGDAQVD FSEFIVFVAA ITSACHKYFE KAGLK.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
S100P Human solution containing 20mM Trsi HCL pH-8, 1mM DTT, 0.05M NaCl & 20% glycerol.

Stability:
S100P Human althoμgh stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:
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Introduction:
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 throμgh a conformational change that results in an exposure of a hydrophobic surface which permits the interaction with specific target proteins.

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