

## S100P Human, His

**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.

**Catalog #:** PRPS-837

For research use only.

**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 FSEFIVFAA  
ITSACHKYFE KAGLK.

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

**Formulation:**

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

**Stability:**

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

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

S100P is a Ca<sup>2+</sup> 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.

**To place an order, please [Click HERE](#).**