

S100 Calcium Binding Protein P Recombinant Protein | S100P recombinant protein

Recombinant Human S100 Calcium Binding Protein P, His Tag

CATALOG #
AAA38820

PRODUCT SYNONYMS

S100 Calcium Binding Protein P; Recombinant Human S100 Calcium Binding Protein P; His Tag; Protein S100-E; S100E; Migration-Inducing Gene 9; MIG9; S100P recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	S100P Human solution containing 20mM Tris HCL pH-8, 1mM DTT, 0.05M NaCl & 20% glycerol.
Sequence	MGSSHHH HHHSSGLVPR GSHMTE LETAMGMID VFSRYSGSEG STQTLTKGEL KVLMEKELPG FLQSGKDKDA VDKLLKDLDA NGDAQVDFSE FIVFVAITS ACHKYFEKAG LK
Sequence Length	95
Source	E.coli
Physical Appearance	Sterile filtered colorless solution
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for S100P recombinant protein	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. 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 through a conformational change that results in an exposure of a hydrophobic surface which permits the interaction with specific target proteins.
Product Categories/Family for S100P recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Calcium Binding Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174663
NCBI GeneID	6286
NCBI Accession #	NP_005971.1
NCBI GenBank Nucleotide #	NM_005980.2
UniProt Accession #	P25815 ; Q5J7W2
Molecular Weight	10,400 Da

NCBI Official Full Name	protein S100-P
NCBI Official Synonym Full Names	S100 calcium binding protein P
NCBI Official Symbol	S100P
NCBI Official Synonym Symbols	MIG9
NCBI Protein Information	protein S100-P; S100 calcium-binding protein P; migration-inducing gene 9 protein; protein S100-E
UniProt Protein Name	Protein S100-P
UniProt Gene Name	S100P
UniProt Synonym Gene Names	S100E; MIG9
UniProt Entry Name	S100P_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/s100p-recombinant-protein/38820>