9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

S100P Human, His

S100 Calcium Binding Protein P Human Recombinant, His Tag
RCP1984

Product Overview

Name	S100P Human, His
Description	
S100 Calcium Binding Protein P Human Recombinant, His Tag	
Accession (Primary)	P25815
Synonyms	
Protein S100-E, S100E, Migration-Inducing Gene 9, MIG9.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
S100P Human solution (1mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT, 0.05M NaCl & 20% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MTELETAMGM IIDVFSRYSG SEGSTQTLTK GELKVLMEKE LPGFLQSGKD KDAVDKLLKD LDANGDAQVD FSEFIVFVAA ITSACHKYFE KAGLK.	
Precautions	

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S100P Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P25815)