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Product datasheet for PA518X

S100P Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	S100P human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MTELEAAMGM IIDVFSRYSG SEGSTQTLTK GELKVLMEKE LPGFLQSGKD KDAVDKLLKD LDANGDAQVD FSEFIVFVAA ITSACHKYFE KAGLK
Purity:	>95% > 95%
Buffer:	Presentation State: Purified State: 0.4 µm filtered, lyophilized Buffer System: 0.05M Phosphate buffer pH 7.2, 0.1 M NaCl
Reconstitution Method:	Restore with deionized water to prepare a stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. PLEASE NOTE: Product is not sterile. (Filter before using it in cell culture).
Preparation:	0.4 µm filtered, lyophilized
Applications:	ELISA. Western Blot.
Protein Description:	Total 95 AA. MW: 10.4 kDa (calculated).
Storage:	Store lyophilized at -20°C. After reconstitution store in aliquots at -80°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch. (Reconstituted protein can be stored short time at 4°C for up to two weeks).
RefSeq:	NP_005971
Locus ID:	6286
UniProt ID:	P25815
Cytogenetics:	4p16.1
Synonyms:	MIG9

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Summary:

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 4p16. This protein, in addition to binding Ca2+, also binds Zn2+ and Mg2+. This protein may play a role in the etiology of prostate cancer. [provided by RefSeq, Jul 2008]

Product images: