

## Product datasheet for **TP720231XL**

### **S100P (NM\_005980) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human S100 calcium binding protein P (S100P)
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Met1-Lys95
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	12.6 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
<b>Endotoxin:</b>	< 0.1 EU per µg protein as determined by LAL test
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_005971</a>
<b>Locus ID:</b>	6286
<b>UniProt ID:</b>	<a href="#">P25815</a>
<b>Cytogenetics:</b>	4p16.1
<b>Synonyms:</b>	MIG9
<b>Summary:</b>	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 Ca <sup>2+</sup> , also binds Zn <sup>2+</sup> and Mg <sup>2+</sup> . This protein may play a role in the etiology of prostate cancer. [provided by RefSeq, Jul 2008]



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**Product images:**

