

# Product datasheet for TP720231M

## S100P (NM\_005980) Human Recombinant Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** Recombinant protein of human S100 calcium binding protein P (S100P) Species: Human E. coli **Expression Host: Expression cDNA Clone** Met1-Lys95 or AA Sequence: N-His Tag: Predicted MW: 12.6 kDa **Concentration:** lot specific **Purity:** >95% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 1mM DTT, 100mM Nacl, 20% Glycerol, pH 8.0. Endotoxin: < 0.1 EU per µg protein as determined by LAL test Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. Storage: Stable for at least 3 months from date of receipt under proper storage and handling Stability: conditions. NP 005971 RefSeq: Locus ID: 6286 **UniProt ID:** P25815 Cytogenetics: 4p16.1 Synonyms: MIG9 Summary: The protein encoded by this gene is a member of the S100 family of proteins containing 2 EFhand 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]



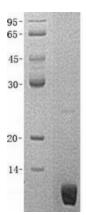
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## **Product images:**



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