

# Recombinant Mouse S100 calcium Binding Protein A4, His-tagged

**Cat. No.** S100a4-5105M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant mouse S100a4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
<b>Species</b>	Mouse
<b>Source</b>	Mouse
<b>Description</b>	S100a4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium binding domains. This protein is ubiquitously overexpressed and is localized in the cytoplasm and/or nucleus. S100a4 may play a role in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of the S100a4 have been implicated in tumor metastasis.
<b>Concentration</b>	1 mg/ml
<b>Form</b>	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 20% glycerol, 2mM DTT and 0.1M NaCl.
<b>Purity</b>	> 90% by SDS -PAGE
<b>Sequence</b>	1-101 amino acids: MGSSHHHHHH SGLVPRGSH MARPLEEALD VIVSTFHKYS GKEGDKFKLN KTELKELLTR ELPSFLGKRTDEAAFQKVM S NLDSNRDNEV DFQEYCVFLS CIAMMCNEFF EGCPDKEPRK K

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<b>Molecular Mass</b>	13.9 kDa(121aa), confirmed by MALDI-TOF.
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.
<b>Official Symbol</b>	S100a4
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">S100a4</a> <a href="#">S100 calcium binding protein A4</a> [ <a href="#">Mus musculus</a> ]
<b>Synonyms</b>	S100a4; S100 calcium binding protein A4; 42a; 18A2; Cap1; FSp1; Mts1; pk9a; PeL98; metastasin; protein S100-A4; calvasculin; protein 18A2; protein Mts1; metastatic cell protein; S100 calcium-binding protein A4; placental calcium-binding protein; Protein S100-A4; Metastasin; Metastatic cell protein; PEL98; Placental calcium-binding protein; Protein 18A2; Protein Mts1
<b>Gene ID</b>	<a href="#">20198</a>
<b>mRNA Refseq</b>	<a href="#">NM_011311</a>
<b>Protein Refseq</b>	<a href="#">NP_035441</a>
<b>UniProt ID</b>	P07091
<b>Chromosome Location</b>	39.27 cM
<b>Function</b>	RAGE receptor binding; calcium ion binding; calcium-dependent protein binding;

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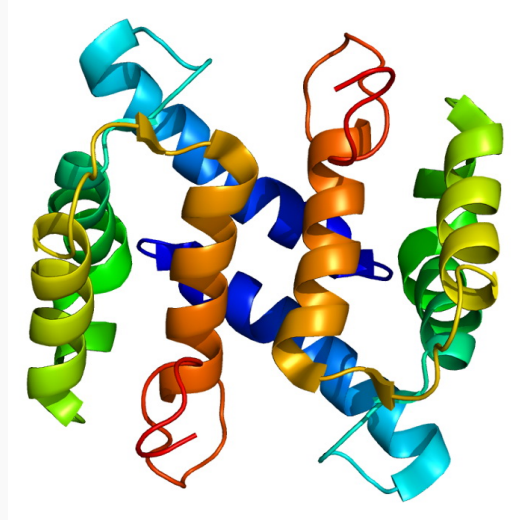
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identicalprotein binding; protein binding

**Protein S100A4**  
**PDB1m31.**



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