

Recombinant Mouse S100 calcium Binding Protein A4, His-tagged

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

SPECIFICATION

Product Overview	Recombinant mouseS100a4 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography techniques.
Species	Mouse
Source	Mouse
Description	S100a4 belongs tothe S100 super-family of proteins containing 2 EF-hand calcium bindingdomains. This protein is ubiquitously overexpressed and is localized in thecytoplasm and/or nucleus. S100a4 may play a role in motility, invasion, andtubulin polymerization. Chromosomal rearrangements and altered expression ofthe S100a4 have been implicated in tumor metastasis.
Concentration	1 mg/ml
Form	Suppliedas a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 20% glycerol, 2mM DTTand 0.1M NaCl.
Purity	> 90% by SDS -PAGE
Sequence	1-101 amino acids:MGSSHHHHHH SSGLVPRGSH MARPLEEALD VIVSTFHKYS GKEGDKFKLN KTELKELLTR ELPSFLGKRTDEAAFQKVMS NLDSNRDNEV DFQEYCVFLS CIAMMCNEFF EGCPDKEPRK K

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Molecular Mass	13.9 kDa(121aa), confirmed by MALDI-TOF.
Applications	SDS-PAGE
Storage	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.
Official Symbol	S100a4
GENE INFORMATION	
Gene Name	S100a4 S100 calcium binding protein A4 [Mus musculus]
Synonyms	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
Gene ID	20198
mRNA Refseq	NM_011311
Protein Refseq	NP_035441
UniProt ID	P07091
Chromosome Location	39.27 cM
Function	RAGE receptor binding; calcium ion binding; calcium-dependent protein binding;

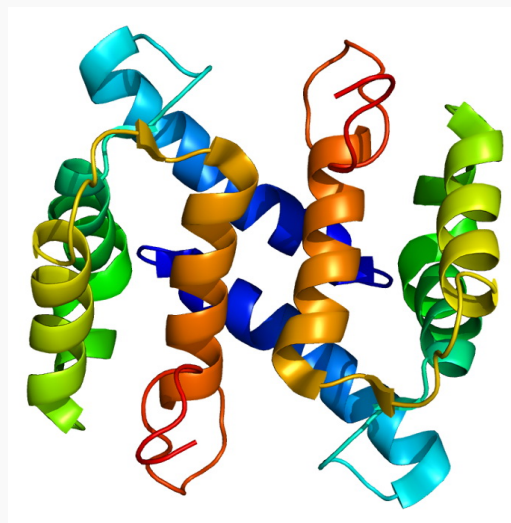
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identicalprotein binding; protein binding

Protein S100A4
PDB1m31.



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