

Recombinant Mouse S100a6 Protein, His-tagged

Cat. No. S100a6-7326M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse S100A6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	1-89
Description	May function as calcium sensor and modulator, contributing to cellular calcium signaling. May function by interacting with other proteins, such as TPR-containing proteins, and indirectly play a role in many physiological processes such as the reorganization of the actin cytoskeleton and in cell motility. Binds 2 calcium ions. Calcium binding is cooperative.
Form	Liquid
Molecular Mass	12.2 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMACPLDQAIGLLVAIFHKYSGKEGDKHTLSKKELKE LIQKELTIGSKLQDAEIIARLMDDLDRNKDQEVNFQEYVAFLGALALIYNEALK
Purity	> 95 %
Stability	Shelf life: one year from despatch.

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Storage	Store undiluted at 2-8 centigrade for up to two weeks or (in aliquots) at -20 or -70 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.5 mg/mL (determined by Bradford assay)
Storage Buffer	20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 30 % glycerol, 100 mM NaCl
GENE INFORMATION	
Gene Name	S100a6 S100 calcium binding protein A6 (calcyclin) [Mus musculus (house mouse)]
Official Symbol	S100a6
Synonyms	S100a6; S100 calcium binding protein A6 (calcyclin); 2A; 2A9; Cac; PRA; 5B10; CALC; Cacy; CALCYCLIN; protein S100-A6; S100 calcium-binding protein A6; calcium binding protein A6 (calcyclin); prolactin receptor-associated protein
Gene ID	20200
mRNA Refseq	NM_011313
Protein Refseq	NP_035443
UniProt ID	P14069