

Recombinant Mouse S100a1 Protein, His-tagged

Cat. No. S100a1-7317M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse S100A1 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	1-94
Description	Probably acts as a Ca ²⁺ signal transducer. In response to an increase in intracellular Ca ²⁺ levels, binds calcium which triggers a conformational change. This conformational change allows interaction of S1001A with specific target proteins, such as TPR-containing proteins, and the modulation of their activity.
Form	Liquid
Molecular Mass	12.6 kDa
AA Sequence	MGSSHHHHHSSGLVPRGSHMGSELESAMETLINVFHAHSGKEGDYKLSKELK DLLQTELSGFLDVQKDADAVIDKVMKELDENGDFKEYVVLVAALTVACNNFFW ETS
Purity	> 90 %
Stability	Shelf life: one year from despatch.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 1.0 mg/mL (determined by Bradford assay)

Storage Buffer 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 30 % glycerol, 0.1 M NaCl

GENE INFORMATION

Gene Name S100a1 S100 calcium binding protein A1 [*Mus musculus* (house mouse)]

Official Symbol S100a1

Synonyms S100a1; S100 calcium binding protein A1; S10; S100; S100a; AI266795; protein S100-A1; S-100 protein alpha chain; S-100 protein subunit alpha

Gene ID 20193

mRNA Refseq NM_011309

Protein Refseq NP_035439

UniProt ID P56565

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SDS-PAGE



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