

Product datasheet for **AR39029PU-L**

S100A1 (1-94, His-tag) Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	S100A1 (1-94, His-tag) mouse recombinant protein, 0.5 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MGSELESAME TLINVFHAHS GKEGDKYKLS KKELKDLLQT ELSGFLDVQK DADAVDKVMK ELDENG DGEV DFKEYVVLVA ALTVACNNFF WETS
Tag:	His-tag
Predicted MW:	12.6 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 30% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse S100A1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_035439</u>
Locus ID:	20193
UniProt ID:	<u>P56565, Q91V77</u>
Cytogenetics:	3 39.24 cM
Synonyms:	A1266795; S100; S100a



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Summary:

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 S100A1 with specific target proteins, such as TPR-containing proteins, and the modulation of their activity.[UniProtKB/Swiss-Prot Function]

Product images: