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 Ca2+ signal transducer. In response to an increase in intracellular Ca2+ 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	MGSSHHHHHHSSGLVPRGSHMGSELESAMETLINVFHAHSGKEGDKYKLSKKELK DLLQTELSGFLDVQKDADAVDKVMKELDENGDGEVDFKEYVVLVAALTVACNNFFW ETS
Purity	> 90 %
Stability	Shelf life: one year from despatch.

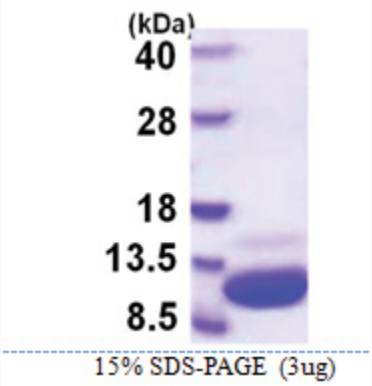
Tel: 1-631-559-9269 1-516-512-3133
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Storage	Store undiluted at 2-8 centigrade for up to two weeks or (in aliquots) at -20 or -70 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL (determined by Bradford assay)
Storage 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	 15% SDS-PAGE (3ug)

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