

Recombinant Mouse S100a1 Protein, Myc/DDK-tagged

Cat. No. S100a1-5664M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length S100 calcium binding protein A1 (S100a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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 S100A1 with specific target proteins, such as TPR-containing proteins, and the modulation of their activity.
Molecular Mass	11 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 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

GENE INFORMATION

Gene Name	S100a1 S100 calcium binding protein A1 [Mus musculus (house mouse)]
Official Symbol	S100a1
Synonyms	S100A1; S100 calcium binding protein A1; protein S100-A1; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1; S100; S100a; AI266795
Gene ID	20193
mRNA Refseq	NM_011309
Protein Refseq	NP_035439
UniProt ID	P56565

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