

Recombinant Full Length Human S100A1 Protein, C-Flag-tagged

Cat. No. S100A1-830HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human S100A1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca ²⁺ -induced Ca ²⁺ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	10.4 kDa
AA Sequence	MGSELETAMETLINVFHAHSGKEGDKYKLSKKELKELLQTELSGFLDAQKDVDVAVDK VMKELDENG DGEV DFQEYVVLVAALTVACNNFFWENSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

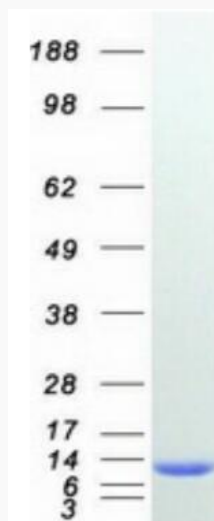
GENE INFORMATION

Gene Name	S100A1 S100 calcium binding protein A1 [Homo sapiens (human)]
Official Symbol	S100A1
Synonyms	S100; S100A; S100-alpha
Gene ID	6271
mRNA Refseq	NM_006271.2
Protein Refseq	NP_006262.1
MIM	176940
UniProt ID	P23297

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Coomassie blue staining of purified S100A1 protein.