

# Recombinant Human S100A11 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** S100A11-3444H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

S100A11 MS Standard C13 and N15-labeled recombinant protein (NP\_005611) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### 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 motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis.

### Molecular Mass


11.7 kDa

### AA Sequence


MAKISSPTETERCIESLIAVFQKYAGKDGNYTLSKTEFLSFMNTELA AFTKNQKDPG  
VLDRMMKKLDTNSDGQLDFSEFLNLIGGLAMACHDSFLKAVPSQKRTRTRPLEQK  
LISEEDLAANDILDYKDDDDKV

### Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

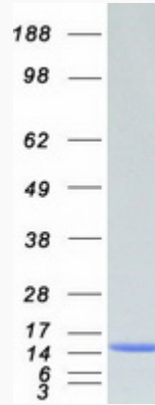
<b>Gene Name</b>	S100A11 S100 calcium binding protein A11 [ Homo sapiens (human) ]
<b>Official Symbol</b>	S100A11
<b>Synonyms</b>	S100A11; S100 calcium binding protein A11; S100 calcium binding protein A11 (calgizzarin), S100 calcium binding protein A11 (calgizzarin); protein S100-A11; S100C; MLN 70; calgizzarin; protein S100-C; metastatic lymph node gene 70 protein; S100 calcium-binding protein A11 (calgizzarin); MLN70;
<b>Gene ID</b>	6282
<b>mRNA Refseq</b>	NM_005620
<b>Protein Refseq</b>	NP_005611
<b>MIM</b>	603114
<b>UniProt ID</b>	P31949

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SDS-PAGE



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