

## Recombinant Human S100A12 protein, Myc/DDK-tagged

Cat. No. S100A12-33H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant protein of human S100 calcium binding protein A12 (S100A12) with a C-Myc/DDK tag was expressed in HEK293T.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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 is proposed to be involved in specific calcium-dependent signal transduction pathways and its regulatory effect on cytoskeletal components may modulate various neutrophil activities. The protein includes an antimicrobial peptide which has antibacterial activity.</p>
<b>Molecular Mass</b>	10.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

## GENE INFORMATION

**Gene Name** S100A12 S100 calcium binding protein A12 [ Homo sapiens (human) ]

**Official Symbol** S100A12

**Synonyms** S100A12; S100 calcium binding protein A12; p6; CAGC; CGRP; MRP6; CAAF1; MRP-6; ENRAGE; protein S100-A12; EN-RAGE; calcitermin; calcium-binding protein in amniotic fluid 1; calgranulin C; extracellular newly identified RAGE-binding protein; migration inhibitory factor-related protein 6; neutrophil S100 protein

**Gene ID** 6283

**mRNA Refseq** NM\_005621

**Protein Refseq** NP\_005612

**MIM** 603112

**UniProt ID** P80511

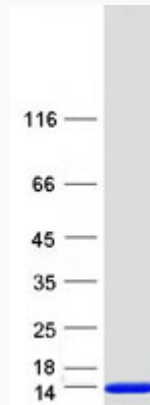
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SDS-PAGE



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