

## Recombinant Human S100A12 Protein, His-tagged(C-ter)

Cat. No. S100A12-289H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human S100A12 Protein with His tag (C-ter) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Glu92
<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. [provided by RefSeq, Nov 2014]</p>
<b>Form</b>	Powder
<b>Endotoxin</b>	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
<b>Purity</b>	> 97% (by SDS-PAGE)
<b>Applications</b>	SDS-PAGE

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<b>Notes</b>	For laboratory research only, not for drug, diagnostic or other use.
<b>Storage</b>	Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
<b>Storage Buffer</b>	PBS (pH 7.4)
<b>Reconstitution</b>	Reconstitute to a concentration of 0.1-0.5 mg/ml in sterile distilled water.

## GENE INFORMATION

<b>Gene Name</b>	S100A12 S100 calcium binding protein A12 [ Homo sapiens ]
<b>Official Symbol</b>	S100A12
<b>Synonyms</b>	S100A12; S100 calcium binding protein A12; S100 calcium binding protein A12 (calgranulin C) , S100 calcium binding protein A12 (calgranulin C); protein S100-A12; CAAF1; CAGC; CGRP; ENRAGE; MRP6; p6; EN-RAGE; calgranulin C; calgranulin-C; neutrophil S100 protein; calcium-binding protein in amniotic fluid 1; S100 calcium-binding protein A12 (calgranulin C); extracellular newly identified RAGE-binding protein;
<b>Gene ID</b>	6283
<b>mRNA Refseq</b>	NM_005621
<b>Protein Refseq</b>	NP_005612
<b>MIM</b>	603112

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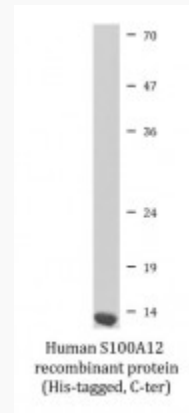
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UniProt ID

P80511

SDS-PAGE



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