

Recombinant Human S100A12 293 Cell Lysate

Cat. No. S100A12-2094HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for S100 calcium binding protein A12 (S100A12) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 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

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

[S100A12](#) [S100 calcium binding protein A12 \[Homo sapiens \]](#)

Official Symbol

[S100A12](#)

Synonyms

[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](#);

Gene ID

[6283](#)

mRNA Refseq

[NM_005621](#)

Protein Refseq

[NP_005612](#)

MIM

[603112](#)

UniProt ID

[P80511](#)

Chromosome Location

[1q21](#)

Pathway

[Activated TLR4 signalling, organism-specific biosystem](#); [Advanced glycosylation](#)

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endproduct receptor signaling, organism-specific biosystem; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88 cascade initiated on plasma membrane, organism-specific biosystem;

Function

RAGE receptor binding; RAGE receptor binding; calcium ion binding; protein binding; zinc ion binding;

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