

Recombinant Human S100A12 protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Recombinant protein of human S100 calcium binding protein A12 (S100A12) with a C-Myc/DDK tag was expressed in HEK293T.
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 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.
Molecular Mass	10.4 kDa
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.

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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

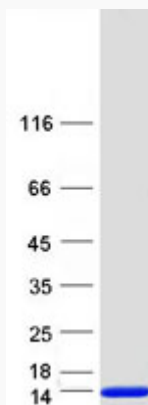
UniProt ID P80511

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SDS-PAGE



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