

Recombinant Human S100A12 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. S100A12-063H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	S100A12 MS Standard C13 and N15-labeled recombinant protein (NP_005612) 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 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	10.6 kDa
AA Sequence	MTKLEEHLEGIVNIFHQYSVRKGFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG LDANQDEQVDFQEFISLVAIALKAAHYHCHKETRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	S100A12 S100 calcium binding protein A12 [Homo sapiens (human)]
Official Symbol	S100A12
Synonyms	S100A12; S100 calcium binding protein A12; CAAF1; CAGC; CGRP; ENRAGE; MRP-6; MRP6; p6; 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

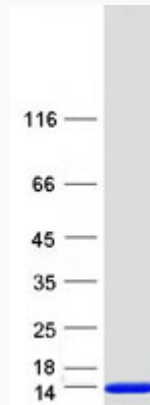
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SDS-PAGE



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