Recombinant Full Length Human S100A12 Protein, C-Flag-tagged

Cat. No. S100A12-653HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human S100A12 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	10.4 kDa
AA Sequence	MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG LDANQDEQVD FQEFISLVAIALKAAHYHTHKETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	S100A12 S100 calcium binding protein A12 [Homo sapiens (human)]
Official Symbol	S100A12
Synonyms	p6; CAGC; CGRP; MRP6; CAAF1; MRP-6; ENRAGE
Gene ID	6283
mRNA Refseq	NM_005621.2
Protein Refseq	NP_005612.1
MIM	603112
UniProt ID	P80511

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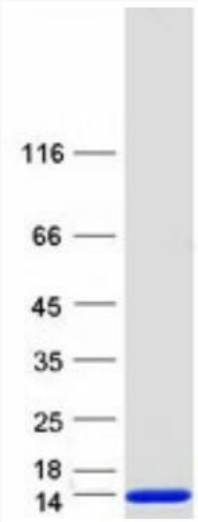

Coomassie blue staining of purified S100A12 protein.

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