

Active Recombinant Full Length Human S100A9 Protein, C-Flag-tagged

Cat. No. S100A9-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human S100A9 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 may function in the inhibition of casein kinase and altered expression of this protein is associated with the disease cystic fibrosis. This antimicrobial protein exhibits antifungal and antibacterial activity.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Cell treatment
Molecular Mass	13.1 kDa
AA Sequence	MTCKMSQLERNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLKKENKNEK VIEHIMEDLDTNA DKQLSFEEFIMLMARLTWASHEKMHEGDEGPGHHHKPGLGEGT

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	P TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	S100A9 S100 calcium binding protein A9 [Homo sapiens (human)]
Official Symbol	S100A9
Synonyms	MIF; NIF; P14; CAGB; CFAG; CGLB; L1AG; LIAG; MRP14; 60B8AG; MAC387; S100-A9
Gene ID	6280
mRNA Refseq	NM_002965.4
Protein Refseq	NP_002956.1

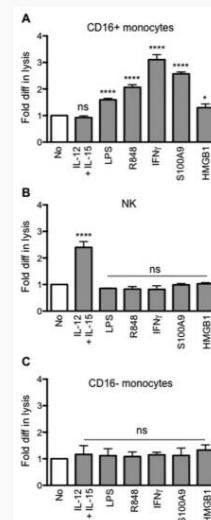
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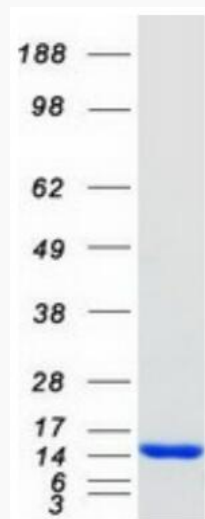
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MIM 123886

UniProt ID P06702



NK cells, CD16+ or CD16- monocytes were either untreated (white bar) or pre-treated with various stimuli (grey bar), including S100A9, and co-cultured with KM966-coated A549 cells.



Coomassie blue staining of purified S100A9 protein.