

Datasheet for ABIN7313436

S100A8/A9 Complex (Calprotectin) Protein (AA 1-93, AA 2-114) (His tag)



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Overview

Quantity:	50 µg
Target:	S100A8/A9 Complex (Calprotectin) (S100A8/A9)
Protein Characteristics:	AA 2-114, AA 1-93
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A8/A9 Complex (Calprotectin) protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Mass Spectrometry (MS)

Product Details

Purpose:	Recombinant Human S100A8/S100A9 Protein is produced by our E. coli expression system and the target gene encoding Met1-Glu93 (S100A8) & Thr2-Pro114 (S100A9) is expressed with a 6His tag at the C-terminus.
Sequence:	MLTELEKALN SIIDVYHKYS LIKGNFHAVY RDDLKLLLET ECPQYIRKKG ADVWFKELDI NTDGAVNFQE FLILVIKMGV AAHKKSHEES HKEHHHHHH* &TCKMSQLER NIETIINTFH QYSVKLGHPD TLNQGEFKEL VRKDLQNFLK KENKNEKVIE HIMEDLDTNA DKQLSFEEFI MLMARLTWAS HEKMHEGDEG PGHHHKPGLG EGTP*
Purity:	Greater than 95 % as determined by SEC-HPLC and reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Target Details

Target:	S100A8/A9 Complex (Calprotectin) (S100A8/A9)
Alternative Name:	S100A8, S100A9 (S100A8/A9 Products)
Gene ID:	6279, 6280
UniProt:	P05109 , P06702
Pathways:	S100 Proteins

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from a 0.2 µM filtered solution of 20 mM HEPES, 10 % Glycerol, 150 mM NaCl, 2.5 mM EDTA, pH 7.4
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.