Datasheet for ABIN5854609

S100A8 Protein (AA 1-93) (His tag,MYC tag)

1 Image

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Overview

Quantity:	100 µg
Target:	S100A8
Protein Characteristics:	AA 1-93
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A8 protein is labelled with His tag,MYC tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMLTELE KALNSIIDVY HKYSLIKGNF HAVYRDDLKK LLETECPQYI RKKGADVWFK ELDINTDGAV NFQEFLILVI KMGVAAHKKS HEESHKEEQK LISEEDL
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

Target:	S100A8
Alternative Name:	S100A8 (S100A8 Products)
Background:	S100A8, also known as S100A8 isoform d. S100A8 is a member of the S100 family, EF-hand superfamily of Calcium binding proteins. S100A8 protein is localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular

Target Details

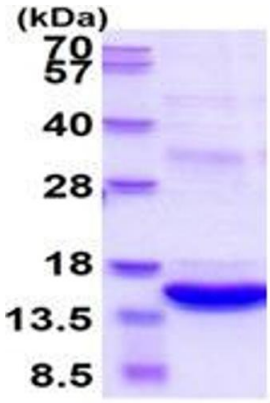
	processes such as cell cycle progression and differentiation. It functions both intracellularly and extracellularly, where it binds to RAGE and CD36. Altered expression of this protein is associated with the disease cystic fibrosis. Recombinant human S100A8, fused to His-tag at N-terminus, fused to Myc-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	14.5kDa (127aa) confirmed by MALDI-TOF
NCBI Accession:	NP_002955
UniProt:	P05109
Pathways:	Transition Metal Ion Homeostasis, Positive Regulation of Endopeptidase Activity, S100 Proteins

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl (pH 8.0) containing 10 % glycerol, 0.1M NaCl
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.