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Datasheet for ABIN7320263
s100a4 Protein (Fc Tag)

1 Image

Overview

Quantity:	100 µg
Target:	s100a4 (S100A4)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This s100a4 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse S100A4 Protein (Fc Tag)
Sequence:	Ala2-Lys101
Characteristics:	A DNA sequence encoding the mouse S100A4 (P07091) (Ala2-Lys101) was expressed with the Fc region of human IgG1 at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	s100a4 (S100A4)
Alternative Name:	S100A4 (S100A4 Products)
Background:	Background: S100A4, also known as metastasis-associated protein Mts1, belongs to the family of small calcium-binding S100 proteins containing two EF-hand calcium-binding motifs. In humans at least 20 S100 family members that are distributed tissue specifically have been

Target Details

identified, and are involved in a number of cellular processes as transducers of calcium signal. S100A4 is a symmetric homodimer, and undergoes a relatively large conformational change upon the typical EF-hand binding calcium, which is necessary for S100A4 to interact with its protein targets and generate biological effects. It can bind the already known targets p53, F-actin, liprin β , myosin heavy chain II, and prevent their phosphorylation and multimerization. It has been demonstrated that S100A4 is directly involved in tumor metastasis including cell motility, invasion, apoptosis, angiogenesis and differentiation, and appears to be a metastasis factor and a molecular marker for clinical prognosis. Multiple alternatively spliced variants encoding the same protein have been identified.

Synonym: Protein S100-A4, Metastasin, Metastatic cell protein, PEL98, Placental calcium-binding protein, Protein 18A2, Protein Mts1, S100 calcium-binding protein A4, S100a4, Capl, Mts1

Molecular Weight:	40 kDa
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UniProt:	P07091
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Pathways:	S100 Proteins
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Application Details

Restrictions:	For Research Use only
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Handling

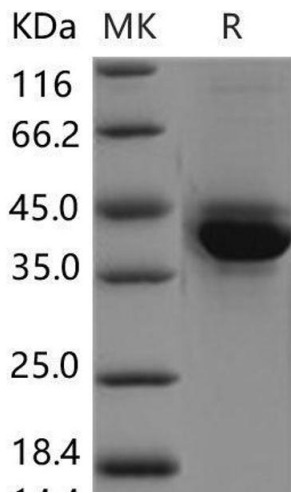
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.4
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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Western Blotting

Image 1.