

[Go to Product page](#)

Datasheet for ABIN7320280 **S100A5 Protein (His tag)**

Overview

Quantity:	100 µg
Target:	S100A5
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse S100A5 Protein (His Tag)
Sequence:	Met 1-Lys 93
Characteristics:	A DNA sequence encoding the mouse S100A5 (P63084) (Met 1-Lys 93) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 97 % as determined by SDS-PAGE

Target Details

Target:	S100A5
Alternative Name:	S100A5 (S100A5 Products)
Background:	Background: S100 protein is a family of low molecular weight protein found in vertebrates characterized by two EF-hand calcium-binding motifs. There are at least 21 different S100 proteins, and the name is derived from the fact that the protein is 100 % soluble in ammonium sulfate at neutral pH. Most S100 proteins are disulfide-linked homodimer, and is normally

Target Details

present in cells derived from the neural crest, chondrocytes, macrophages, dendritic cells, etc. S100 proteins have been implicated in a variety of intracellular and extracellular functions. They are involved in regulation of protein phosphorylation, transcription factors, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, and the inflammatory response. Protein S100-A5, also known as Protein S-100D, S100 calcium-binding protein A5, S100A5 and S100D, is a member of the S100 family which contains two EF-hand domains. S100A5 is also a novel member of the EF-hand superfamily of calcium-binding proteins that is poorly characterized at the protein level. It is expressed in very restricted regions of the adult brain. From birth onwards, S100A5 remained a neuronal-specific protein, only located in a subpopulation of neurons in the spiral ganglion.

Synonym: S100D9

Molecular Weight:	12.3 kDa
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UniProt:	P63084
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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 50 mM Tris, 20 % glycerol, pH 7.5
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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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