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Datasheet for ABIN7319483 s100a4 Protein (His tag)

Overview

Quantity:	50 µg
Target:	s100a4 (S100A4)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This s100a4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human S100A4 Protein (His Tag)
Sequence:	Met1-Lys101
Characteristics:	Recombinant Human S100A4 is produced by our E.coli expression system and the target gene encoding Met1-Lys101 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	s100a4 (S100A4)
Alternative Name:	S100A4 (S100A4 Products)
Background:	Background: S100A4 is a member of the S100 family of proteins. The S100 family is further classified as a member of the EF-hand superfamily of Ca ⁺⁺ -binding proteins. These participate in both calcium-dependent and calcium-independent protein-protein interactions. The hallmark

Target Details

of this superfamily is the EF-hand motif that consists of a Ca⁺⁺-binding site flanked by two α -helices (helix E and helix F) that were originally identified in a right-handed model of carp muscle calcium-binding protein. Human S100A4 is 101 amino acids (aa) in length. It contains two EF hand domains, one between aa 12-47, and a second between aa 50-85. S100A4 activity has been associated with cell transformation. It seems likely this is either coincidental, or a consequence, rather than a cause of transformation.

Synonym: Protein S100-A4, Calvasculin, Metastasin, Placental calcium-binding protein, Protein Mts1, S100 calcium-binding protein A4, S100A4, CAPL, MTS1,18A2,42A,FSP1,P9KA,PEL98

Molecular Weight: 12.6 kDa

UniProt: [P26447](#)

Pathways: [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

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.