

# Recombinant Human S100 Calcium Binding Protein A4

**Cat. No.** S100A4-201H    **Lot. No.** (See product label)

## SPECIFICATION

|                                            |                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>                    | Recombinant Human S100A4 produced in <i>E. Coli</i> encodes full length amino acids.                                                                                                                                                                                                                                                                            |
| <b>Species</b>                             | Human                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>                              | E.coli                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>                         | S100 belongs to the family of calcium binding proteins such as calmodulin and troponin C. S100A is composed of an alpha and beta chain, whereas S100B is composed of two beta chains. S100 protein is also expressed in the antigen presenting cells such as the Langerhans cells in skin and interdigitating reticulum cells in the paracortex of lymph nodes. |
| <b>Formulation</b>                         | 10g/100μl purified human S100A4 protein at 0.1mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.                                                                                                                                                                                                                           |
| <b>Application And Suggested Dilutions</b> | •ELISA •Inhibition Assays •Western Blotting.                                                                                                                                                                                                                                                                                                                    |
| <b>Characterization</b>                    | S100A4 antibody reactive.                                                                                                                                                                                                                                                                                                                                       |
| <b>Activity</b>                            | Not known.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage &amp; Stability</b>             | Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.                                                                                                                                                                                                                                                 |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

**Full Length**

Full L.

## GENE INFORMATION

**Gene Name**

S100A4 S100 calcium binding protein A4 [ Homo sapiens ]

**Synonyms**

S100A4; S100 calcium binding protein A4; 42A; 18A2; CAPL; FSP1; MTS1; P9KA; PEL98; S100 calcium-binding protein A4; OTTHUMP00000015469; OTTHUMP00000032895; fibroblast-specific protein-1; malignant transformation suppression 1; leukemia multidrug resistance associated protein; S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog); S100 calcium-binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog); Protein S100-A4; Metastasin; Protein Mts1; Placental calcium-binding protein; Calvasculin; OTTHUMP00000015467; OTTHUMP00000015468; fibroblast-specific protein-1; malignant transformation suppression 1

**Gene ID**

6275

**mRNA Refseq**

NM\_002961

**Protein Refseq**

NP\_002952

**MIM**

114210

**UniProt ID**

P26447

**Chromosome Location**

1q12-q22

**Function**

calcium ion binding; calcium-dependent protein binding; identical protein binding

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