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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

S100A1 (Human) Recombinant Protein (P01)

Catalog Number: H00006271-P01

Regulation Status: For research use only (RUO)

Product Description: Human S100A1 full-length ORF (AAH14392, 1 a.a. - 94 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGSELETAMETLINVFAHSGKEGDKYKLSKKEKELKELL
QTELSGFLDAQKDVDVAVDKVMKELDENGDFGEVDFQE
YVVLVAALTVACNNFFWENS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 36.08

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6271

Gene Symbol: S100A1

Gene Alias: S100, S100-alpha, S100A

Gene Summary: The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number

of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca²⁺-induced Ca²⁺ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies. [provided by RefSeq]

References:

1. Dorsal root ganglia in Friedreich ataxia: satellite cell proliferation and inflammation. Koeppen AH, Ramirez RL, Becker AB, Mazurkiewicz JE. Acta Neuropathol Commun. 2016 May 3.4(1):46.