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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

S100A4 (Human) Recombinant Protein (P01)

Catalog Number: H00006275-P01

Regulation Status: For research use only (RUO)

Product Description: Human S100A4 full-length ORF (AAH16300, 1 a.a. - 101 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MACPLEKALDVMVSTFHKYSGKEGDKFKLNKSELKEL
LTRELPSFLGKRTDEAAFQKLMSNLDSNRDNEVDFQE
YCVFLSCIAMMCDEFFEGFPDKQPRKK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 36.85

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: 6275

Gene Symbol: S100A4

Gene Alias: 18A2, 42A, CAPL, FSP1, MTS1, P9KA, PEL98

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 motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]

References:

1. Overexpression of S100A4 in human cancer cell lines resistant to methotrexate. Mencia N, Selga E, Rico I, de Almagro MC, Villalobos X, Ramirez S, Adan J, Hernandez JL, Noe V, Ciudad CJ. BMC Cancer. 2010 Jun 1;10:250.
2. Relaxin Enhances S100A4 and Promotes Growth of Human Thyroid Carcinoma Cell Xenografts. Radestock Y, Willing C, Kehlen A, Hoang-Vu C, Hombach-Klonisch S. Mol Cancer Res. 2010 Mar 23. [Epub ahead of print]