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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

S100A7 (Human) Recombinant Protein (P01)

Catalog Number: H00006278-P01

Regulation Status: For research use only (RUO)

Product Description: Human S100A7 full-length ORF (AAH34687.1, 1 a.a. - 101 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSNTQAERSIIGMIDMFHKYTRRDDKIDKPSLLTMMKE
NFPNFLSACDKKGTNYLADVFEKKDKNEDKKIDFSEFL
SLLGDIATDYHKQSHGAAPCSGGSQ

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: 6278

Gene Symbol: S100A7

Gene Alias: PSOR1, S100A7c

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 differs from the other S100 proteins of known structure in its lack of calcium binding ability in one EF-hand at the N-terminus. This protein is markedly over-expressed in the skin lesions of psoriatic patients, but is excluded as a candidate gene for familial psoriasis susceptibility. The exact function of this protein is not known. [provided by RefSeq]

References:

1. The Expression of Psoriasin (S100A7) and CD24 Is Linked and Related to the Differentiation of Mammary Epithelial Cells. Vegfors J, Petersson S, Kovacs A, Polyak K, Enerback C. PLoS One. 2012;7(12):e53119. doi: 10.1371/journal.pone.0053119. Epub 2012 Dec 27.
2. Psoriasin (S100A7) increases the expression of ROS and VEGF and acts through RAGE to promote endothelial cell proliferation. Shubbar E, Vegfors J, Carlstrom M, Petersson S, Enerback C. Breast Cancer Res Treat. 2011 Dec 22.
3. Use of a combination of approaches to identify and validate relevant tumor-associated antigens and their corresponding autoantibodies in ovarian cancer patients. Gagnon A, Kim JH, Schorge JO, Ye B, Liu B, Hasselblatt K, Welch WR, Bandera CA, Mok SC. Clin Cancer Res. 2008 Feb 1;14(3):764-771.