

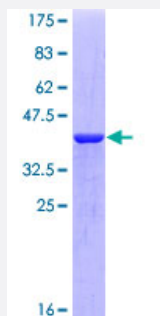
Full-Length

S100A7 (Human) Recombinant Protein (P01)

Catalog # H00006278-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human S100A7 full-length ORF (AAH34687.1, 1 a.a. - 101 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSNTQAERSIIGMIDMFHKYTRDDKIDKPSLLTMMKENFPNFLSACDKKGTNYLADVFEKKDKNE DKKIDFSEFLSLLGDIATDYHKQSHGAAPCSGGSQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — S100A7

Entrez GeneID [6278](#)

GeneBank Accession# [BC034687.1](#)

Protein Accession# [AAH34687.1](#)

Gene Name S100A7

Gene Alias PSOR1, S100A7c

Gene Description S100 calcium binding protein A7

Omim ID [600353](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations OTTHUMP00000015327|OTTHUMP00000015328|S100 calcium-binding protein A7 (psoriasin 1)|psoriasin 1

Publication Reference

- [HPV infection alters vaginal microbiome through down-regulating host mucosal innate peptides used by Lactobacilli as amino acid sources.](#)

Alizee Lebeau, Diane Bruyere, Patrick Roncarati, Paul Peixoto, Eric Hervouet, Gael Cobraiville, Bernard Taminiau, Murielle Masson, Carmen Gallego, Gabriel Mazzucchelli, Nicolas Smargiasso, Maximilien Fleron, Dominique Baiwir, Elodie Hendrick, Charlotte Pilard, Thomas Lerho, Celia Reynders, Marie Ancion, Roland Greimers, Jean-Claude Twizere, Georges Daube, Geraldine Schlecht-Louf, Françoise Bachelerie, Jean-Damien Combes, Pierrette Melin, Marianne Fillet, Philippe Delvenne, Pascale Hubert, Micha

Nature Communications 2022 Feb; 13(1):1076.

Application: Sub, Bacteria, *Gardnerella vaginalis*, *Lactobacillus crispatus*, *Lactobacillus iners*, *Lactobacillus jensenii*

- [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 Dec; 7(12):e53119.

Application: Func, Human, MCF10A

- [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 Research and Treatment 2011 Dec; 134(1):71.

Application: Func, Human, HUVEC

- [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.

Clinical Cancer Research 2008 Feb; 14(3):764.

Application: ELISA, Human, Serum from patients with benign gynecologic disease, and early- and late-stage ovarian cancer patients

Disease

- [Dermatitis](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Rhinitis](#)