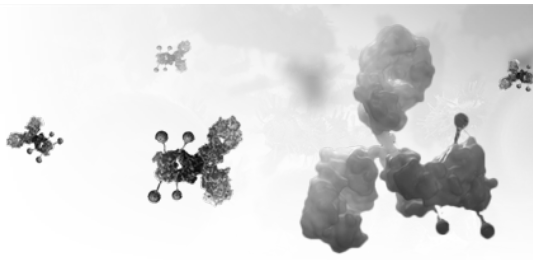

Human S100A7 peptide (DAG-P1096)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, Jul 2008]
Specificity	Fetal ear, skin, and tongue and human cell lines. Highly up-regulated in psoriatic epidermis. Also highly expressed in the urine of bladder squamous cell carcinoma (SCC) bearing patients.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the S-101 family.Contains 2 EF-hand domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	S100A7 S100 calcium binding protein A7 [Homo sapiens (human)]
Official Symbol	S100A7

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Synonyms	S100A7; S100 calcium binding protein A7; PSOR1; S100A7c; protein S100-A7; psoriasin 1; S100 calcium-binding protein A7 (psoriasin 1);
Entrez Gene ID	6278
mRNA Refseq	NM_002963.3
Protein Refseq	NP_002954.2
UniProt ID	P31151
Chromosome Location	1q21
Pathway	Validated targets of C-MYC transcriptional repression, organism-specific biosystem;
Function	RAGE receptor binding; calcium ion binding; protein binding; zinc ion binding; zinc ion binding;

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