

## Full-Length

## S100A3 (Human) Recombinant Protein (P01)

Catalog # H00006274-P01

Size 50 ug

## Specification

Product Description	Human S100A3 full-length ORF (AAH12893.1, 1 a.a. - 101 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MARPLEQAVAANVCTFQEYAGRCGDKYKLCQAEKELLQKELATWTPTEFRECDYNKFMSVLDT NKDCEVDFVEYVRSLACLCLYCHEYFKDCPSEPPCSQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.51
Interspecies Antigen Sequence	Mouse (92); Rat (92)
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
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.
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 — S100A3

Entrez GeneID [6274](#)

GeneBank Accession# [BC012893.1](#)

Protein Accession# [AAH12893.1](#)

Gene Name S100A3

Gene Alias S100E

Gene Description S100 calcium binding protein A3

Omim ID [176992](#)

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 has the highest content of cysteines of all S100 proteins, has a high affinity for Zinc, and is highly expressed in human hair cuticle. The precise function of this protein is unknown. [provided by RefSeq]

**Other Designations** OTTHUMP00000015474|OTTHUMP00000032963|S100 calcium-binding protein A3

## Disease

- [Dermatitis](#)
- [Genetic Predisposition to Disease](#)