

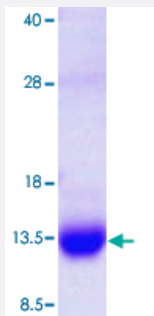
Full-Length

## S100A3 (Human) Recombinant Protein

Catalog # P3579

Size 100 ug

### Applications



### Specification

<b>Product Description</b>	Human S100A3 (NP_002951, 1 a.a. - 101 a.a.) full-length recombinant protein with His tag expressed in <i>Escherichia coli</i> .
<b>Sequence</b>	MGSSHHHHHSSGLVPRGSHMARPLEQAVAANCTFQEYAGRCGDKYKLCQAEKELLQKELATWPTTEFRECDYNKFMSVLDTNKDCEVDFVEYVRSACLCLYCHEYFKDCPSEPPCSQ
<b>Host</b>	<i>Escherichia coli</i>
<b>Theoretical MW (kDa)</b>	13.9
<b>Form</b>	Liquid
<b>Preparation Method</b>	<i>Escherichia coli</i> expression system
<b>Purification</b>	Conventional Chromatography
<b>Concentration</b>	1 mg/mL
<b>Purity</b>	> 90% by SDS-PAGE
<b>Quality Control Testing</b>	Loading 3 ug protein in 15% SDS-PAGE
<b>Storage Buffer</b>	In 20 mM Tris-HCl buffer, 0.2 M NaCl, pH 8.0 (2 mM DTT, 20% glycerol).

**Storage Instruction**

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- SDS-PAGE

## Gene Info — S100A3

**Entrez GeneID** [6274](#)

**Protein Accession#** [NP\\_002951](#)

**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](#)