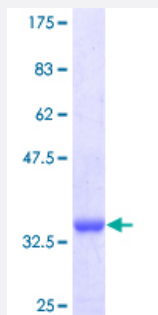


# S100A8 (Human) Recombinant Protein (Q01)

Catalog # H00006279-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human S100A8 partial ORF ( NP_002955, 1 a.a. - 92 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MLTELEKALNSIIDVYHKYSLIKGNFHAVYRDDLKLLKETCPQYRKKGADVWFKELDINTDGAVNFQEFLILVIKMGVAAHKKSHK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	35.86
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — S100A8

Entrez GeneID	<a href="#">6279</a>
GeneBank Accession#	<a href="#">NM_002964</a>
Protein Accession#	<a href="#">NP_002955</a>
Gene Name	S100A8
Gene Alias	60B8AG, CAGA, CFAG, CGLA, CP-10, L1Ag, MA387, MIF, MRP8, NIF, P8
Gene Description	S100 calcium binding protein A8
Omim ID	<a href="#">123885</a>
Gene Ontology	<a href="#">Hyperlink</a>
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 may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. [provided by RefSeq]
Other Designations	OTTHUMP00000015329 OTTHUMP00000015330 S100 calcium-binding protein A8 S100 calcium-binding protein A8 (calgranulin A) calgranulin A cystic fibrosis antigen

## Disease

- [Aggressive Periodontitis](#)
- [Dermatitis](#)

- [Genetic Predisposition to Disease](#)
- [Kidney Calculi](#)
- [Periodontitis](#)