

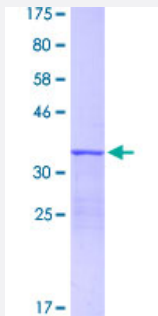
Full-Length

# S100A12 (Human) Recombinant Protein (P01)

Catalog # H00006283-P01

Size 10 ug, 25 ug

## Applications



## Specification

<b>Product Description</b>	Human S100A12 full-length ORF ( NP_005612.1, 1 a.a. - 92 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MTKLEEHLEGVNIHQYSVRKGHFDLTKGELKQLLTKELANTIKNIKDKAVIDEIFQGLDANQDEQ VDFQEFISLVAIALKAAHYHTHKE
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37
<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 — S100A12

Entrez GeneID [6283](#)

GeneBank Accession# [NM\\_005621.1](#)

Protein Accession# [NP\\_005612.1](#)

Gene Name S100A12

Gene Alias CAAF1, CAGC, CGRP, ENRAGE, MRP6, p6

Gene Description S100 calcium binding protein A12

Omim ID [603112](#)

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 is proposed to be involved in specific calcium-dependent signal transduction pathways and its regulatory effect on cytoskeletal components may modulate various neutrophil activities. [provided by RefSeq]

**Other Designations** OTTHUMP00000015332|S100 calcium-binding protein A12|S100 calcium-binding protein A12 (calgranulin C)|calgranulin C

## Disease

- [Kidney Calculi](#)