

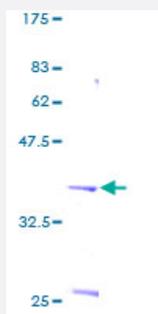
Full-Length

# S100P (Human) Recombinant Protein (P01)

Catalog # H00006286-P01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human S100P full-length ORF ( AAH06819, 1 a.a. - 95 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MTELETAMGMIIDVFSRYSGSEGSTQTLTKGELKVLMEKELPGFLQSGKDKDAVDKLLKDL DANG DAQVDFSEFMFVAAITSACHKYFEKAGLK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.19
<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 — S100P

Entrez GeneID [6286](#)

GeneBank Accession# [BC006819](#)

Protein Accession# [AAH06819](#)

Gene Name S100P

Gene Alias MIG9

Gene Description S100 calcium binding protein P

Omim ID [600614](#)

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; however, this gene is located at 4p16. This protein, in addition to binding Ca<sup>2+</sup>, also binds Zn<sup>2+</sup> and Mg<sup>2+</sup>. This protein may play a role in the etiology of prostate cancer. [provided by RefSeq]

**Other Designations** OTTHUMP00000115574|S100 calcium-binding protein P|migration-inducing gene 9