

# Recombinant mouse S100B protein

Catalog Number: ATGP3473

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-92aa

### UniProt No.

P50114

### NCBI Accession No.

NP\_033141

### Alternative Names

S100 calcium binding protein B, S100 protein beta polypeptide neural, S-100 protein beta chain, S-100 protein subunit beta

## PRODUCT SPECIFICATION

---

### Molecular Weight

10.7 kDa (92aa)

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

S100b also known as Protein S100-B. S100b is a protein of the S100 protein family. S100 proteins comprise a multigene family of EF-hand calcium binding proteins that engage in multiple functions in response to cellular stress. S100b protein has been implicated in oligodendrocyte progenitor cell (OPC) regeneration in response to demyelinating insult. Also, S100b and other members of S100 proteins are specifically interact with PP5-TPR and inhibited the PP5-Hsp90 interaction. Recombinant mouse S100b was expressed in E. coli and purified by using

## Recombinant mouse S100B protein

Catalog Number: ATGP3473

conventional chromatography techniques.

### Amino acid Sequence

MSELEKAMVA LIDVFHQYSG REGDKHKLKK SELKELINNE LSHFLEEIKE QEVDKVMET LDEDGDGECD FQEFMAFVAM VTTACHEFFE HE

### General References

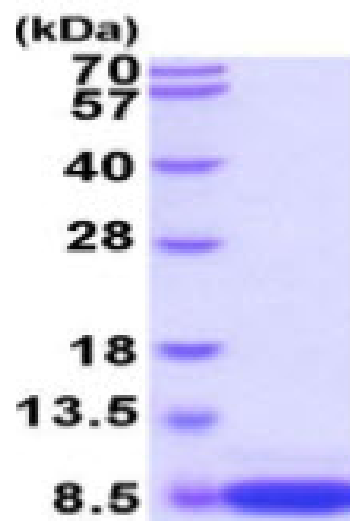
Gilquin B., et al. (2010) Mol Cell Biol. 30(11): 2724-36.

Yamaguchi F., et al. (2012) J Biol Chem. 287(17): 13787-98.

## DATA

---

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)