

# Recombinant human S100B protein

Catalog Number: ATGP3314

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-92aa

### UniProt No.

P04271

### NCBI Accession No.

NP\_006263.1

### Alternative Names

S100 calcium binding protein B, S100 calcium binding protein beta neural, S100beta, S100 protein beta chain, S100 protein subunit beta, S100 calcium-binding protein B

## PRODUCT SPECIFICATION

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### Molecular Weight

10.7 kDa (92aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

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

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### 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

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### 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

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demyelinating insult. Also, S100B and other members of S100 proteins are specifically interact with PP5-TPR and inhibited the PP5-Hsp90 interaction. Recombinant Human S100B was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MSELEKAMVA LIDVFHQYSG REGDKHKLKK SELKELINNE LSHFLEEIKE QEVVDKVMET LDNDGDGECD FQEFMAFVAM VTTACHEFFE HE

### General References

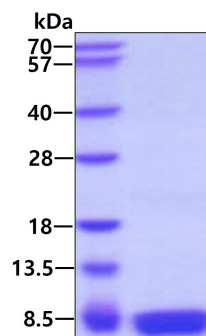
Gilquin B., et al. (2010) Mol Cell Biol. 30(11): 2724-36.

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

## DATA

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### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.