

Recombinant human S100B protein

Catalog Number: ATGP3314

PRODUCT INFORMATION

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

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

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

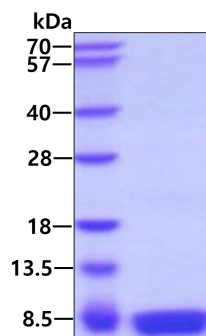
General References

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

SDS-PAGE



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