

Product datasheet for AR09545PU-L

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S100B (1-92, His-tag) Mouse Protein

Product data:

Product Type: Recombinant Proteins

Description: S100B (1-92, His-tag) mouse recombinant protein, 0.5 mg

Species: Mouse Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MSELEKAMVA LIDVFHQYSG REGDKHKLKK SELKELINNE

or AA Sequence: LSHFLEEIKE QEVVDKVMET LDEDGDGECD FQEFMAFVAM VTTACHEFFE HE

Tag: His-tag
Predicted MW: 12.8 kDa
Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant mouse S100B protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 033141

Locus ID: 20203

 UniProt ID:
 P50114, Q3UY00

Cytogenetics: 10 38.76 cM Synonyms: Al850290; Bpb

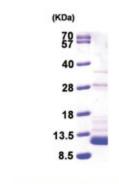




Summary:

Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calciumbinding sites. Binds to and initiates the activation of STK38 by releasing autoinhibitory intramolecular interactions within the kinase. Interaction with AGER after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling. Could assist ATAD3A cytoplasmic processing, preventing aggregation and favoring mitochondrial localization. May mediate calcium-dependent regulation on many physiological processes by interacting with other proteins, such as TPR-containing proteins, and modulating their activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



15% SDS-PAGE (3ug)