9051 Mira Mesa Blvd, #910094
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S100b Mouse, His

S100 Calcium Binding Protein B Mouse Recombinant, His Tag
RCP1977

Product Overview

Name	S100b Mouse, His

Description

S100 Calcium Binding Protein B Mouse Recombinant, His Tag

Accession (Primary)	P50114

Synonyms

Protein S100-B, S-100 protein beta chain, S-100 protein subunit beta, S100 calcium-binding protein B, Bpb, AI850290, MGC74317, S100b.

Introduction

S100B faintly binds calcium but binds zinc extremely strongly-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 calcium-binding sites. S100B binds to and initiates the activation of STK38 by releasing autoinhibitory intramolecular interactions within the kinase. Interaction with AGER after myocardial infarction participates in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

S100B Mouse solution containing 20mM Tris-HCl pH-8, 1mM DTT & 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MSELEKAMVA LIDVFHQYSG REGDKHKLKK SELKELINNE LSHFLEEIKE QEVVDKVMET LDEDGDGECD FQEFMAFVAM VTTACHEFFE HE.

Precautions

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S100b Mouse, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P50114)