

S100A1, 1-94aa, Mouse, His tag, E.coli

Cat.NO.: TP03817

3th Edition

Synonyms:S100 calcium binding protein A1, S100, S100a

Description:S100 calcium binding protein A1, also known as S100A, is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100A1 is expressed by striated muscle, endothelium and chondrocytes.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

Molecular Weight:12.6 kDa (114aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSELESAMETLINVFHAHSGKEGDKYKLSKKEKDLLQTELSGFLDVQKDADAV
DKVMKELDENGDFKEYVVLVAALTVACNFFWETS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.