

S100A5, 1-93aa, Mouse, His tag, E.coli

Cat.NO.: TP03830

3th Edition

Synonyms:S100 calcium binding protein A5, S100D9.

Description:S100 calcium binding protein A5, also known as S100A5, 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. S100A5 has a Ca²⁺ affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions.

Form:Liquid. In 20 mM Tris-HCl buffer, pH8.0, 40% glycerol, 3mM DTT, 200mM NaCl

Molecular Weight:13.4kDa (117aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMETPLEKALTTMVTTFFHKYSGREGSKLTLRKEKELIKTELSLAEKMKESS
IDNLMKSLDKNSDQEIDFKEYSVFLTTLCMAYNDDFFLEDNK

Purity:> 95% by HPLC

Concentration:1mg/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.