

S100A4, 1-101aa, Mouse, His tag, E.coli

Cat.NO.: TP03828

3th Edition

Synonyms:S100 calcium binding protein A4., 18A2, 42a, CapI, FSp1, metastasin, Mts1, PeL98, pk9a.

Description:S100A4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium binding domains. This protein is ubiquitously overexpressed and is localized in the cytoplasm and/or nucleus. S100A4 may play a role in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of the S100A4 have been implicated in tumor metastasis.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 20% glycerol, 2mM DTT, 0.1M NaCl.

Molecular Weight:13.9 kDa (121aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMARPLEEALDVIVSTFHKYSGKEGDKFKLNKTELKELLTRELPSFLGKRTDEAAFQ
KVMSNLDSNRDNEVDFQEYCVFLSCIAMMCNEFFEGCPDKEPRKK

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.