

S100A4, 1-101 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03827

3th Edition

Synonyms:S100 calcium-binding protein A4, 18A2, 42A, CAPL, FSP1, MTS1, P9KA, PEL98, Metastasin.

Description:S100A4, also known as S100 calcium-binding protein A4, 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 gene have been implicated in tumor metastasis.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Molecular Weight:13.8 kDa (121aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMACPLEKALDVMVSTFHKYSGKEGDKFKLNKSELKELLTRELPSFLGKRTDEAAF
QKLMSNLDSNRDNEVDFQEYCVFLSCIAMMCNEFFEGFPDKQPRKK

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.