



S100A14, 1-104aa, Human, His tag, E.coli

Cat.NO.: TP03821

3th Edition

Synonyms:S100 calcium binding protein A14, BCMP84, S100A15.

Description:S100A14 is a member of a subfamily of proteins related by EF-hand Ca²⁺ binding protein superfamily. The extracellular functions of the S-100 family may include the ability to enhance neurite outgrowth, involvement in inflammation, and motility of tumor cells. S100A14 contains 2 EF-hand Ca²⁺-binding domains, a myristoylation motif, a glycosylation site, and several potential protein kinase phosphorylation sites.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT.

Molecular Weight:13.8 kDa (124 aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGQCRSANAEDAQEFSDVERAIETLIKFNHQYSVEGGKETLTPSELRLDVTQQLP
HLMPSNCGLEEKIANLGSCNSKLEFRSFWELIGEAAKSVKLERPVGRH

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.