

S100A16, 1-103aa, Human, His tag, E.coli

Cat.NO.: TP03823

3th Edition

Synonyms:S100 calcium binding protein A16, AAG13, S100F.

Description:S100 calcium binding protein A16, also known S100A16, 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. Intracellularly, S100A16 is both nuclear and cytoplasmic and apparently exists as a homodimer, trimer and tetramer.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol,0.2M NaCl

Molecular Weight:13.9 kDa (123aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMSDCYTELEKAVIVLVENFYKYVSKYSLVKNKISKSSFREMLQKELNHMLSDTGN
RKAADKLIQNLNLDANHDGRISFDEYWTLIGGITGPIAKLIHEQEQSSS

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.