

S100A6, 1-90aa, Human, His tag, E.coli

Cat.NO.: TP03832

3th Edition

Synonyms:S100 calcium binding protein A6, 2A9, 5B10, CABP, CACY, PRA.

Description:S100A6, also known as CACY, is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or 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. This protein may function as calcium sensor and contribute to cellular calcium signaling.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 30% glycerol

Molecular Weight:12.3 kDa (110aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMACPLDQAIGLLVAIFHKYSGREGDKHTLSKKELKELIQKELTIGSKLQDAEIARLM
EDLDRNKDQEVNFQEYVTFLGALALIYNEALKG

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.