



**S100A3, 1-101aa Mouse, His tag, E.coli**

**Cat.NO.: TP03825**

3th Edition

**Synonyms:**S100 calcium binding protein A3, S100E.

**Description:**S100A3, also known as Protein S-100E and S100 calcium-binding protein A3, belongs to the S-100 family of proteins containing 2 EF-hand calcium-binding motifs. The S100 proteins act as multifunctional signaling factors that are involved in the regulation of diverse cellular processes such as cell cycle progression and differentiation. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells.

**Form:**Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT, 150mM NaCl

**Molecular Weight:**14.3kDa (125aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMTRPLEQAVAAIVCTFQEYAGRCGDKYKICQSELKELLQKELPTWTPSEFR  
ECDYNKFMSVLDTNKDCEVDFGEYVRSLSLCLYCHEYFKECPPEPPCPQ

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml

**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.