

**S100A13, 1-98aa, Human, His tag, E.coli**

**Cat.NO.: TP03820**

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3th Edition

**Synonyms:**S100 calcium binding protein A13.

**Description:**S100A13, also known as S100 calcium binding protein A13, 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. It plays a role in the export of proteins that lack a signal peptide and are secreted by an alternative pathway.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 50mM NaCl 20% glycerol

**Molecular Weight:**13.6 kDa (118aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMAAEPLTELEESIETVVTFFTFARQEGRKDSLVSNEFKELVTQQLPHLLKDVGSL  
DEKMKSLDVNQDSELKFNEYWRLIGELAKEIRKKKDLKIRKK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by BCA 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.