

**S100A5, 1-92aa, Human, His tag, E.coli**

**Cat.NO.: TP03829**

---

3th Edition

**Synonyms:**S100 calcium binding protein A5, S100D.

**Description:**S100 calcium binding protein A5, also known as S100A5, 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. S100A5 has a Ca<sup>2+</sup> affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl, 0.1mM PMSF

**Molecular Weight:**12.9 kDa (112aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMETPLEKALTTMVTTFHKYSGREGSKLTLSRKELKELIKKELCLGEMKESSIDLM  
KSLDKNSDQEIDFKEYSVFLTMLCMAYNDFLEDNK

**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.