



**S100A9, 1-113aa, Mouse, His tag, E.coli**

**Cat.NO.: TP03837**

---

3th Edition

**Synonyms:**S100 calcium binding protein A9, Calgranulin-B, Cagb, Mrp14

**Description:**S100A9, also known as Calgranulin-B, belongs to the S100 family containing EF-hand type Ca<sup>2+</sup>-binding proteins. It is involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation, and associated with the disease cystic fibrosis. S100A9 has been implicated in the abnormal differentiation of myeloid cells in the stroma of cancer.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT

**Molecular Weight:**15.2 kDa (133aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMANKAPSQMERSITTIIDTFHQYSRKEGHPDTLSKKEFRQMVEAQLATFMKKEKR  
NEALINDIMEDLDTNQDNQLSFEECMMLMAKLIFACHEKLNENPRGHGSHGKGCCK

**Purity:**> 95% by HPLC

**Concentration:**0.5 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.