

S100A9, 1-114aa, Human, His tag, E.coli

Cat.NO.: TP03838

3th Edition

Synonyms:Protein S100-A9, Calgranulin B, 60B8AG, CAGB, CFAG, CGLB, L1AG, LIAG, MAC387, MIF, MRP14, NIF, P14.

Description:S100-A9, also known as Calgranulin B, belongs to the S100 family containing EF-hand type Ca²⁺-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 10% glycerol 0.1M NaCl

Molecular Weight:14.3 kDa (122aa)

Sequences:

MTCKMSQLERNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLKKNKNEKVIEHIMEDLDTNADKQLSFEE
FIMLMARLTWASHEKMHEGDEGPGHHHKPGLGEGTPLEHHHHHH

Purity:> 95% by HPLC

Concentration:1.0 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.