

S100A8-Myc, 1-93aa, Human, His tag, Myc tag, E.coli

Cat.NO.: TP03836

3th Edition

Synonyms:60B8AG, CAGA, CFAG, CGLA, CP-10, L1Ag, MA387, MIF, MRP8, NIF, P8

Description:S100A8, also known as S100A8 isoform d. S100A8 is a member of the S100 family, EF-hand superfamily of Calcium binding proteins. S100A8 protein is 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 functions both intracellularly and extracellularly, where it binds to RAGE and CD36. Altered expression of this protein is associated with the disease cystic fibrosis. Recombinant human S100A8, fused to His-tag at N-terminus, fused to Myc-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl (pH 8.0) containing 10% glycerol, 0.1M NaCl

Molecular Weight:14.5kDa (127aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMLTELEKALNSIIDVYHKYSLIKGNFHAVYRDDLKKLLETECPQYIRKKGAD
VWFKELDINTDGAVNFQEFLLILVIKMGVAAHKKSHKEEQKLISEEDL

Purity:> 95% by HPLC

Concentration:1mg/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.