

S100A8, 1-89aa, Mouse,His tag, E.coli

Cat.NO.: TP03835

3th Edition

Synonyms:Protein S100-A8, 60B8Ag, A1323541, B8Ag, Caga, CFAg, CP-10, MRP8, p8

Description:S100A8, also known MRP8, is a member of the S100 family, EF-hand superfamily of calcium binding proteins. This 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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 0.1M NaCl,1mM DTT

Molecular Weight:12.4 kDa (109aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMPSELEKALSNLIDVYHNYSNIQGNHHALYKNDFKKMVTTECPQFVQNINIENLFR
ELDINSDNAINFEEFLAMVIKVGVAHSHKDSHKE

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.