

Product Information

Recombinant Mouse S100a1, His tagged

Product Information	
Catalog#	MK0660M
Product Name	Recombinant Mouse S100a1, His tagged
Product Overview	Recombinant Mouse S100a1 (P56565) (Gly 2-Ser 94), fused with a polyhistide tag at the N-terminus, was produced in E. coli.
Description	S100a1 is a Ca ²⁺ binding protein of the EF-hand type that belongs to the S100 protein family. S100 proteins consisting of at least 19 members exist as dimers in the cytoplasm and/or nucleus of a wide range of cells, and are involved in the regulation of a number of cellular processes such as cell-cycle progression and cell differentiation.
Source	E. coli
Species	Mouse
Tag	His
Formulation	Lyophilized from a sterile solution of PBS, pH 7.5.
Storage	Store under sterile conditions at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.
Molecular Mass	The recombinant mouse S100A1 consisting of 109 amino acids and has a calculated molecular mass of 12.5 kDa. rmS100A1 migrates as an approximately 14 kDa band in SDS-PAGE under reducing conditions.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Endotoxin	Less than 1.0 EU per µg as determined by the LAL method.
Notes	Research Use Only. Not for use in clinical procedures. Avoid repeated freeze-thaw cycles.