

S100 Calcium Binding Protein A1 Human Recombinant

Item Number	rAP-2911
Synonyms	Protein S100-A1, S100 calcium-binding protein A1, S-100 protein alpha subunit, S-100 protein alpha chain, S100A1, S100A, S100, S100-alpha, S100-A1.
Description	S100A1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 103 amino acids which include a 10 amino acid His Tag fused at N-terminus and having a total molecular mass of 11.66 kDa. S100A1 Human Recombinant is purified by proprietary chromatographic tech-
Uniprot Accession Number	P23297
Amino Acid Sequence	MKHHHHHHAS GSELETAMET LINVFHAHSG KEGDKYKLSK KELKELLQTE LSGFLDAQKD VDAV-DKVMKE LDENG DGEVD FQEYVVLVAA LTVACNNFFW ENS.
Source	Escherichia Coli.
Physical Appearance and Stability	White lyophilized (freeze-dried) powder. Lyophilized S100A1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution S100A1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The S100A1 protein was lyophilized from 0.4µm filtered solution at a concentration of 0.5mg/ml containing 20mM Tris pH-7.5 and 50mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	Add deionized water to a working concentration approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by appropriate sterile filter before using it in the cell culture.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**