

S100 Calcium Binding Protein A1 Mouse Recombinant

Item Number	rAP-2905
Synonyms	Protein S100-A1, S-100 protein alpha chain, S-100 protein subunit alpha, S100 calcium-binding protein A1, S100a1, S100, S100a, A1266795.
Description	S100A1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 114 amino acids (1-94 a.a) and having a molecular mass of 12.6kDa (molecular weight on SDS-PAGE will appear higher). S100A1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatography.
Uniprot Accession Number	P56565
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSELESAME TLINVFHAHS GKEGDKYKLS KKELKDLLQT ELSGFLDVQK DADAVDKVMK ELDENG DGEV DFKEYVVLVA ALTVACNNFF WETS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	S100A1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 0.1M NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
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**