9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

S100A5 Mouse

S100 Calcium Binding Protein A5 Mouse Recombinant
RCP1962

Product Overview

Name	S100A5 Mouse
Description	
S100 Calcium Binding Protein A5 Mouse Recombinant	
Accession (Primary)	P63084
Synonyms	
Protein S100-A5, Protein S-100D, S100 calcium-binding protein A5, S100a5, S100d, S100D9.	
Introduction	
S100 calcium binding protein A5 (S100A5) belongs to the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 family members are localized 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 differentiation. S100A5 has a Ca2+ affinity 20-100 fold higher than the other S100 proteins investigated under identical conditions. Furthermore, S100A5 protein binds Zn2+ and Cu2+, and Cu2+ strongly which harms the binding of Ca2+. S100A5 is expressed in very limited regions of the adult brain.	
Source	
Escherichia Coli.	
Physical Appearance	
S100A9 is supplied as a sterile filtered clear solution.	
Formulation	
S100A5 protein (1mg/ml) is supplied in 20mM Tris-HCl buffer, pH8.0, 40% glycerol, 3mM DTT and 200mM NaCl.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH METPLE KALTTMVTTF HKYSGREGSK LTLSRKELKE LIKTELSLAE KMKESSIDNL MKSLDKNSDQ EIDFKEYSVF LTTLCMAYND FFLEDNK.	
Precautions	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

S100A5 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P63084)