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

S100A14 Human

S100 Calcium Binding Protein A14 Human Recombinant
RCP1953

Product Overview

Name	S100A14 Human
Description	
S100 Calcium Binding Protein A14 Human Recombinant	
Accession (Primary)	Q9HCY8
Synonyms	
Protein S100-A14, S100 calcium-binding protein A14, S114, S100A14, S100A15, BCMP84.	
Introduction	
S100A14 belongs to a subfamily of proteins related by EF-hand Ca2+ binding protein superfamily. The extracellular functions of the S100 family include the ability to boost neurite outgrowth, involvement in inflammation, and motility of tumor cells. S100A14 contains 2 EF-hand Ca2+-binding domains, a myristoylation motif, a glycosylation site, and a number of potential protein kinase phosphorylation sites. S100A14 is expressed at high levels in the colon and at moderate levels in the thymus, kidney, liver, small intestine, and lung.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The S100A14 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM DTT.	
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 MGQCRSANAE DAQEFSDVER AIETLIKNFH QYSVEGGKET LTPSELRDLV TQQLPHLMPS NCGLEEKIAN LGSCNDSKLE FRSFWELIGE AAKSVKLERP VRGH.	
Precautions	
S100A14 Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (Q9HCY8)