

32-4735: Recombinant Human S100 Calcium Binding Protein A14

Alternative Name : Protein S100-A14,S100 calcium-binding protein A14,S114,S100A14,S100A15,BCMP84.

Description

Source : Escherichia Coli. S100A14 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 124 amino acids (1-104 a.a.) and having a molecular mass of 13.8kDa. The S100A14 is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The S100A14 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 2mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SGLVPRGSH MGQCRSANA E DAQEFSDVER AIETLIKNFH QYSVEGGKET LTPSELRLDV TQQLPHLMPS NCGLEEKIAN LGSCNDSKLE FRSFWELIGE AAKSVKLERP VRGH.