

## 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 Ca<sup>2+</sup> 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 Ca<sup>2+</sup>-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

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

