

## 32-4748: Recombinant Human S100 Calcium Binding Protein A7

**Alternative Name :** S100 calcium-binding protein A7 (psoriasin 1),S100A7c,PSOR1.

### Description

Source : Escherichia Coli. S100A7 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 121 amino acids (1-101) and having a molecular mass of 13.6 kDa. The S100A4 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. S100A7 is a member of the S-100 family of calcium binding proteins and is produced through a non-classical secretory pathway to the cytoplasm. S100A7 takes part in the regulation of several cellular courses, such as cell cycle, cell progression and cellular differentiation. S100A7 holds two EF-hand domains and is extremely upregulated in psoriatic epidermis, in addition to bladder squamous cell carcinoma and breast cancer tissue, signifying a probable part in carcinogenesis.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	S100A7 protein at 0.5mg/ml in 20mM Tris-HCl, pH-8, 0.1M NaCl, 1mM DTT and 30% Glycerol.
<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 SSGLVPRGSH MSNTQAERSI IGMIDMFHKY TRRDDKIDKP SLLTMMKENFPNFLSACDKK GTNYLADVFE KKDKNEDKKI DFSEFLSLLG DIATDYHKQS HGAAPCSGGS Q.