

## S100A7 Human

**Description:** 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.

**Catalog #:** PRPS-156

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSNTQAERSI IGMIDMFHKY  
TRRDDKIDKP SLLTMMKENFPNLSACDKK GTNYLADVFE KKDKNEDKKI DFSEFLSLLG  
DIATDYHKQS HGAAPCSGGS Q

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

S100A7 protein at 0.5mg/ml in 20mM Tris-HCl, pH-8, 0.1M NaCl, 1mM DTT and 30% Glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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