

## S100A13 Human

**Description:** S100A13 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 118 amino acids (1-98) and having a molecular mass of 13.6 kDa. The S100A13 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-160

For research use only.

**Synonyms:** Protein S100-A13, S100 calcium-binding protein A13, S100A13.

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAAEPLTELE ESIETVVTTF  
FTFARQEGRK DSLSVNEFKE LVTQQLPHLL KDVGSLDEKM KSLDVNQDSE LKFNEYWRLI  
GELAKEIRKK KDLKIRKK

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

**Formulation:**

S100A13 protein at 1mg/ml in 20mM Tris-HCL, pH-8, 50mM NaCl and 20% 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:**

S100A13 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 family members are localized in the cytoplasm and/or nucleus of a wide range of cells, and are involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100A13 is extensively expressed in various types of tissues with an elevated expression level in the thyroid gland. In smooth muscle cells, S100A13 co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction.

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