

S100A4 Human, His

Description: S100A4 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 13.8 kDa. The S100A4 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-705

For research use only.

Synonyms: Protein S100-A4, S100 calcium-binding protein A4, Metastasin, Protein Mts1, Placental calcium-binding protein, Calvasculin, S100A4, CAPL, MTS1, 42A, 18A2, FSP1, P9KA, PEL98.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MACPLEKALD VMVSTFHKYS
GKEGDKFKLN KSELKELLTR ELPSFLGKRT DEAAFQKLMS NLDSNRDNEVDFQEYCVFLS
CIAMMCNEFF EGFPDKQPRK K.

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

Formulation:

S100A4 protein at in 20mM Tris-HCl, pH-8 & 10% 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:

S100A4 is part of the S100 super-family of proteins containing 2 EF-hand calcium binding domains. S100A4 is ubiquitously overexpressed and is localized in the cytoplasm and/or nucleus. S100A4 is involved in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of the S100A4 gene have been implicated in tumor metastasis.

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