
Product Data Sheet

Product Name: S100A4 Human
 Cat. No.: GP24469
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MACPLEKALD VMVSTFHKYS GKEGDKFKLN KSELKELLTR ELPSFLGKRT DEAAFQKLMS NLDSNRDNEVDFQEYCVFLS CIAMMCNEFF EGFPDKQPRK K.		
Formulation	S100A4 protein at in 20mM Tris-HCl, pH-8 & 10% Glycerol.		

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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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