
Product Data Sheet

Product Name: S100A10 Mouse
 Cat. No.: GP24465
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ProteinS100-A10; Calpactin I light chain; Calpactin-1 light chain; Cellular ligand of;annexin II; S100 calcium-binding protein A10; p10 protein; p11; S100a10; Cal1l.		
Amino Acid Sequence	MGSSHHHHHSSGLVPRGSH MGSMP SQMEH AMETMMLTFH RFAGDKDHLT KEDLRVLMER EFPGFLENQKDPLAVDKIMK DLDQCRDGKV GFQSFLSLVA GLTIACNDYF VVNMKQKGKK.		
Formulation	S100A10protein solution (1mg/ml) containing phosphate buffered saline (pH 7.4) and 10%glycerol.		

Introduction

S100A10 is a member of the S100 family of proteins contains two EF-hand calcium-binding motifs and is thought to be involved in the regulation of a number of cellular processes including cell cycle progression and differentiation. S100 proteins are localized either in the cytoplasm or the nucleus of a wide range of cells. There are at least 13 members in the S100 gene family, which are located as a cluster on chromosome 1q21. S100A10 may function in exocytosis and endocytosis.

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

S100A10 MouseRecombinant produced in E. coli is a single, non-glycosylated polypeptide chaincontaining 120 amino acids (1-97a.a) and having a molecular mass of 13.6kDa.S100A10 isfused to a 23 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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