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Certificate of Analysis and Data Sheet Recombinant Human S100A11

Catalog No.

228-11391

Source

Escherichia Coli.

Synonyms

Protein S100-A11, S100 calcium-binding protein A11, Calgizzarin, MLN 70, S100A11, MLN70, S100C.

Introduction

S100A11 is a member of the S100 family of proteins which 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. S100A11 may function in motility, invasion and tubulin polymerization. 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. Chromosomal rearrangements and altered expression of S100A11 have been implicated in tumor metastasis.

Description

S100A11 Human Recombinant is expressed in E. coli having a molecular weight of 17kDa fused to an amino terminal hexahistidine tag.

Formulation

S100-A11 is supplied in PBS / 50% glycerol.

Storage Conditions

Store at 4°C if entire vial will be used within 1-2 weeks.

Store frozen at -20°C for longer periods of time.

Avoid multiple freeze-thaw cycles.

Application

S100A11 can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments. The biological activity of this product has not yet been tested.

Purity

Greater than 95% as determined by SDS-PAGE.

2 bands on Western blot at 17 and 34 kDa, respectively representing monomeric and dimeric form.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**