

Product datasheet

Recombinant Human S100 Calcium Binding Protein A13 ab125667

概述

产品名称	重组人S100 Calcium Binding蛋白A13
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

Accession [Q99584](#)

种属 Human

序列 **MGSSHHHHHH SSGLVPRGSH MAAEPLTELE**
 ESIIETVVTTF FTFARQEGRK DSLSVNEFKE
 LVTQQLPHLL KDVGSLDEKM KSLDVNQDSE
 LKFNEYWRLI GELAKEIRKK KDLKIRKK

分子量 14 kDa including tags

氨基酸 1 to 98

标签 His tag N-Terminus

技术指标

Our [Abpromise guarantee](#) covers the use of **ab125667** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
纯度	> 95 % SDS-PAGE. Purified by proprietary chromatographic techniques.
形式	Liquid

制备和贮存

稳定性和存储 Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

pH: 8.00

Constituents: 0.32% Tris HCl, 20% Glycerol, 0.29% Sodium chloride

常规信息

功能	Plays a role in the export of proteins that lack a signal peptide and are secreted by an alternative pathway. Binds two calcium ions per subunit. Binds one copper ion. Binding of one copper ion does not interfere with calcium binding. Required for the copper-dependent stress-induced export of IL1A and FGF1. The calcium-free protein binds to lipid vesicles containing phosphatidylserine, but not to vesicles containing phosphatidylcholine.
组织特异性	Expressed in heart and skeletal muscle.
序列相似性	Belongs to the S-100 family. Contains 2 EF-hand domains.
细胞定位	Cytoplasm. Secreted. Secretion is mediated by exposure to stress and requires copper ions.

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