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SCGB2A2 Human, HEK

Mammaglobin-A Human Recombinant, HEK
RCP1996

Product Overview

Name	SCGB2A2 Human, HEK

Description

Mammaglobin-A Human Recombinant, HEK

Accession (Primary)	Q13296

Synonyms

Mammaglobin-A, Mammaglobin-1, Secretoglobin family 2A member 2, SCGB2A2, MGB1, UGB2, MGC71974.

Introduction

The mammaglobin gene was first identified using a differential screening approach directed at the isolation of novel, human breast cancer-associated genes. Mammaglobin encodes a 10 kDa glycoprotein and is distantly relaetd to a family of epithelial secretory proteins that includes rat estramustine-binding protein/prostatein and human Clara cell 10 kDa protein (CC10)/uteroglobin. Mammaglobin, a mammary-specific member of the uterglobin family, is known to be overexpressed in human breast cancer. Studies suggest that mammaglobin is one of the first relatively mammary-specific and mammary-sensitive markers (85%). Mammaglobin may be valuable used in a panel with BRST-2 (GCDFP-15) and ER in evaluating tumors of unknown primary sites. SCGB2A2 (the mammaglobin gene) is located on chromosome 11, at locus 11q13. SCGB2A2 is member of the secretoglobin superfamily of which is a group of small dimeric secreted and sometimes glycosylated proteins. Expressed mainly in mucosa, secretoglobins appear to be involved in cell signalling, immune response, chemotaxis, and might also serve as transporters for steroid hormones in humans.

Source

HEK 293.

Physical Appearance

Sterile filtered lyophilized powder.

Formulation

SCGB2A2 was filtered (0,4 µm) and lyophilized from 0.5mg/ml in PBS buffer and 5% (w/v) Threalose pH 7.4

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for 5 days.

Purity

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Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

GSGCPLLENV ISKTINPQVS KTEYKELLQE FIDDNATTNA IDELKECFLN QTDETLSNVE VFMQLIYDSS LCDLF KLENL YFQGPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H .

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.

Precautions

SCGB2A2 Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q13296)