
Product Data Sheet

Product Name: SCGB2A2 Human
 Cat. No.: GP24497
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Mammaglobin-A; Mammaglobin-1; Secretoglobin family 2A member 2; SCGB2A2; MGB1; UGB2; MGC71974.		
Amino Acid Sequence	MRGSHHHHHH GSGSGCPLLE NVISKTINPQ VSKTEYKELL QEFIDDNATT NAIDELKECF LNQTDETLN VEVFMQLIYD SSLCDF.		
Solubility	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 in the cell culture.		
Formulation	Filtered (0.4µm) and lyophilized from 0.5 mg/ml in 0.05M phosphate buffer and 0.05M NaCl, pH 7.2.		

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 related to a family of epithelial secretory proteins that includes rat prostatin and human Clara cell 10 kDa protein (CC10)/uteroglobin. Mammaglobin, a mammary-specific member of the uteroglobin 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

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

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transporters for steroid hormones in humans.

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 a limited period of time; it does not show any change after two weeks at 4°C .

Background

The Recombinant Human SCGB2A2 is produced with N-terminal fusion His Tag. The Recombinant Human SCGB2A2 His-Tagged Fusion Protein, has a molecular weight of 9.88 kDa protein containing 87 amino acid residues of the Human SCGB2A2 including 12 additional amino acid residues - His Tag (underlined).

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