

## SCGB2A2 Human

**Description:** 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 and 12 additional amino acid residues His Tag (underlined).

**Catalog #:** PRPS-522

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:** MRGSHHHHHH GSGSGCPLLE NVISKINPQ VSKTEYKELL  
QEFIDNATT NAIDELKECF LNQTDETLN VEVFMQLIYD SSLCDLF.

**Formulation:**

Filtered (0.4

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

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

**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 estramustine-binding protein/prostatein 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 transporters for steroid hormones in humans.

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