Recombinant Human Secretoglobin, Family 2A, Member 2, GST-tagged

Cat. No. SCGB2A2-1304H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mammaglobin Human Recombinant full length protein expressed in*E.coli*shows a 38 kDa band on SDS-PAGE (Including GST). The Mammaglobin is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Description	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.

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Physical Appearance	Sterile Filtered clear solution.
Formulation	Mammaglobin at 100μg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Stability	Store vial at -20℃ to -80℃. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.
Full Length	Full L.

GENE INFORMATION

Gene Name	SCGB2A2 secretoglobin, family 2A, member 2 [Homo sapiens]
Synonyms	SCGB2A2; secretoglobin, family 2A, member 2; MGB1; UGB2; MGC71974; mammaglobin 1; mammaglobin A; Mammaglobin-A; Mammaglobin-1; Secretoglobin family 2A member 2
Gene ID	4250
mRNA Refseq	NM_002411
Protein Refseq	NP_002402
MIM	605562
UniProt ID	Q13296
Chromosome Location	11q13

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Function	binding; steroid binding

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