

Recombinant Human Mammaglobin

Cat. No. MGB2-158H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Mammaglobin protein has a total sequence of 87 AA. MW: 9.88 kDa (calculated). N-Terminal His-tag (12 extra AA)
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 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.
Form	Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 0.05 M phosphate buffer, 0.05 M NaCl, pH 7.2.
Molecular Mass	9.88 kDa
AA Sequence	MRGSHHHHHH GSGSGCPLLE NVISK TINPQ VSKTEYKELL QEFIDDNATT NAIDELKECF LNQTDETLSN VEVFMQLIYD SSLCDLF

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Endotoxin	<1.0 EU/ug
Purity	Purity as determined by densitometric image analysis: 90%.
Quality Control Test	BCA to determine quantity of the protein. SDS PAGE to determine purity of the protein. LAL to determine quantity of endotoxin.
Storage	Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/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.

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