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## Product Data Sheet

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Product Name: MUCL1 Human  
 Cat. No.: GP23971  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | Escherichia Coli.       |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Mucin-Like1; Small Breast Epithelial Mucin; SBEM; Mucin-Like Protein 1; Protein BS106; Mucin-likeprotein 1. |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSNPTTAAP ADTYPATGPA DDEAPDAETT AAATTATTAA PTTATTAASTTARKDIPVLP KWVGDLPNGRVCP.        |                    |                         |
| Formulation         | MUCL1 protein solution (0.25mg/ml) containing Phosphatebuffer saline (pH 7.4) and 10% glycerol.             |                    |                         |

### Introduction

Mucin-Like 1, also known as MUCL1 takes a part as a marker for the diagnosis of metastatic breast cancer. MUCL1 is expressed in mammary, salivary glands as well as in prostate.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

MUCL1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 93 amino acids (21-90 a.a) and having a molecular mass of 9.3kDa. MUCL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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