

MUCL1 Protein, Human (HEK293, His)

Cat. No.:	HY-P77091
Synonyms:	Mucin-like protein 1; Protein BS106; Small breast epithelial mucin; SBEM
Species:	Human
Source:	HEK293
Accession:	Q96DR8 (N21-P90)
Gene ID:	118430
Molecular Weight:	Approximately 20-30 kDa due to glycosylation

PROPERTIES

AA Sequence	N P T T A A P A D T Y P A T G P A D D E A P D A E T T A A A T T A T T A A P T T A T T A A S T T A R K D I P V L P K W V G D L P N G R V C P
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The MUCL1 protein is suggested to potentially play a role as a diagnostic marker for metastatic breast cancer, indicating its potential utility in identifying and characterizing this particular stage of the disease. The implication is that MUCL1 could serve as a molecular indicator, aiding in the diagnosis and assessment of metastatic breast cancer, which may have implications for treatment planning and prognosis. The precise mechanisms and specificity of MUCL1 in the context of breast cancer diagnosis remain areas of interest, highlighting its potential significance as a biomarker in clinical settings.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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