

## CERTIFICATE OF ANALYSIS

### GENERAL INFORMATION

**Product No.:** GP100076

**CAS No.:** N/A

**Product Name:** MUC1(126-144)-Tn(130,131,139,140,144)

**Sequence:** PAPGS(Tn)T(Tn)APPAHGVT(Tn)S(Tn)APDT(Tn)R-NH<sub>2</sub>, where Tn =  $\alpha$ -GalNAc trifluoroacetate salt

**Glycosylation:** *O*- $\alpha$ -D-GalNAc

**Description:** Synthetic, glycosylated Mucin-1 (MUC1) peptide fragment containing amino acid sequence Pro 126 – Arg145 (20 AA in length) from the tandem repeat (TR) region of the MUC1 protein. Tumour-associated cancer antigen, Tn-antigen, *O*-glycosylation (GalNAc) at Thr131, Thr139, Thr144, Ser130 and Ser140. The C-terminus is amide.

**Formula:** C<sub>120</sub>H<sub>193</sub>N<sub>31</sub>O<sub>52</sub>

**Mol. Wt.:** 2901.99

**Exact Mass:** 2900.34

### CHARACTERIZATION

#### PROPERTY

#### TEST RESULT

**Appearance & Physical State:**

White, lyophilized solid

**Mass Spectrometry (ESI -POS):**

Conforms, [M+3H]<sup>3+</sup> = 968.6  
[M+4H]<sup>4+</sup> = 726.7

**Purity (>95% via HPLC):**

Conforms, >95%

### BATCH INFORMATION

**Lot No:**

XXXXXX

**Date Analyzed:**

XXXXXX

### NOTES

1. Store as lyophilized powder -20 ± 5 °C.
2. Keep dry. Allow container and contents to rise to room temperature before opening.
3. Avoid storing peptide solutions. If necessary, freeze peptide solutions.