

**CPA239Mi21 100µg**  
**OVA Conjugated Alpha-Melanocyte Stimulating Hormone (αMSH)**  
**Organism Species: Homo sapiens (Human)**  
**Mus musculus (Mouse)**  
**Rattus norvegicus (Rat)**  
**Bos taurus; Bovine (Cattle)**  
**Sus scrofa; Porcine (Pig)**  
**Ovis aries; Ovine (Sheep)**  
**Cavia (Guinea pig)**  
**Oryctolagus cuniculus (Rabbit)**  
***Instruction manual***

**FOR IN VITRO USE AND RESEARCH USE ONLY**  
**NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES**

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12th Edition (Revised in Aug, 2016)

## [ PROPERTIES ]

**Source:** Protein Conjugation

**Original Peptide Residues:** Ser138-Val150

**Purity:** >90%

**Traits:** Freeze-dried powder.

**Buffer formulation:** PBS, pH7.4.

**Applications:** Immunogen; Coating Antigen; Blocking Peptide; ELISA.

**Note:** 100% cross-reactivity of aMSH was observed among human, mouse, rat, bovine, porcine, ovine, cavia and rabbit.

## [ USAGE ]

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCE ]

SYS MEHFRWGKPV

[ IDENTIFICATION ]

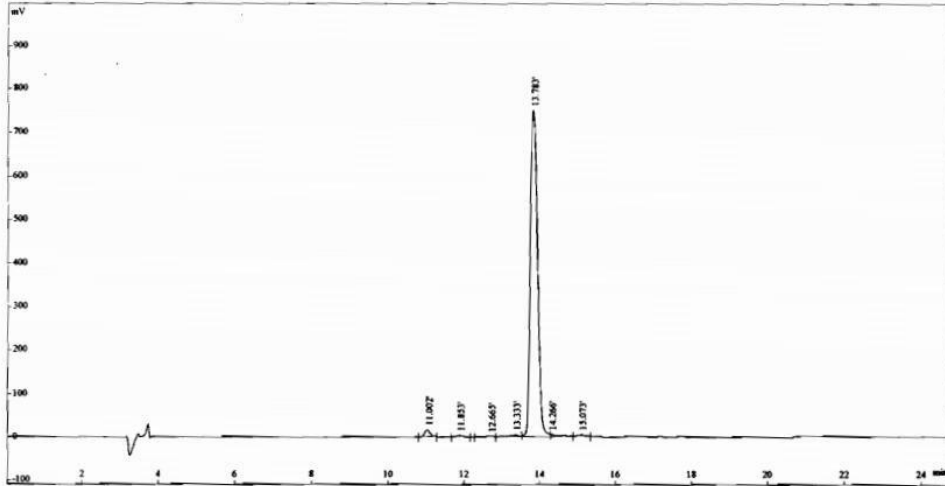


Figure 1. HPLC of the Original Peptide

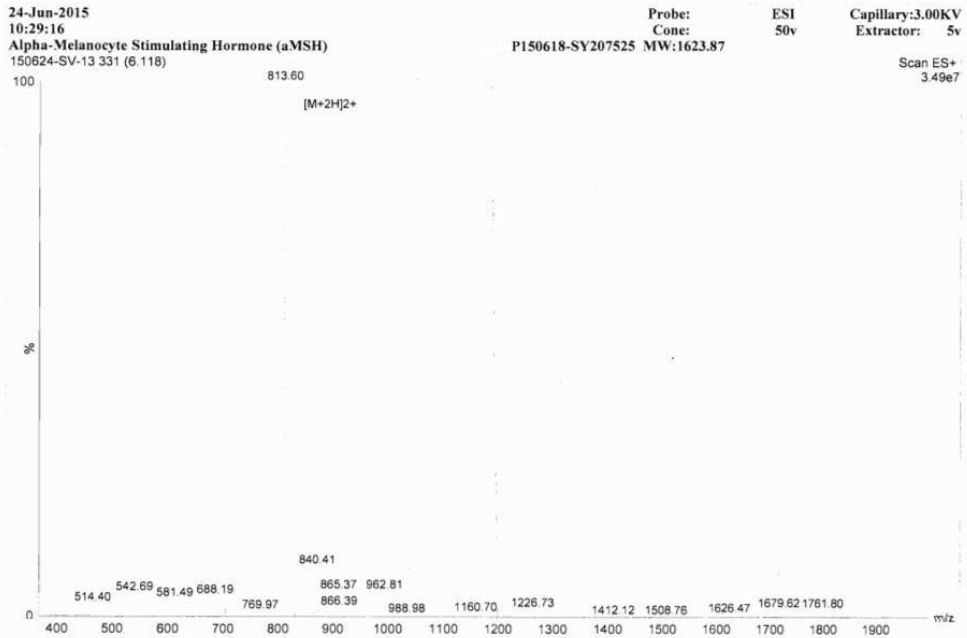


Figure 2. MASS Spectrometry of the Original Peptide