

Melanocyte Associated Antigen gp 100 (17 - 25)

PRODUCT DESCRIPTION

Melanocyte Associated Antigen gp 100 (17 - 25) is a 9-amino-acid A peptide related to the melanocortin system, derived from proopiomelanocortin (POMC) or its analogs. Melanocortins signal through MC1R-MC5R receptors to regulate pigmentation, inflammation, energy homeostasis, and sexual function. Used in dermatology, endocrinology, and neuroscience research for studying melanocortin receptor pharmacology and POMC processing.

PRODUCT SPECIFICATIONS

Catalog Number	BPT1480
Molecular Weight	961.0699 Da
Molecular Formula	C43H68N12O13
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:

ALNFPGSQK

Three-Letter Code:

H-Ala-Leu-Asn-Phe-Pro-Gly-Ser-Gln-Lys-OH

RESEARCH APPLICATIONS

Application	Immune recognition
Biomarker Target	MHC/HLA Complex
Research Area	Immunology
Sub-category	Antigen Presentation & T-cell Immunity

STORAGE & HANDLING

Storage Temperature	-20 deg C
Form	Lyophilized
Stability	Lyophilized product stable for 24 months at -20 deg C
Reconstitution	Reconstitute in sterile water or appropriate buffer
After Reconstitution	Aliquot and store at -20 to -80 deg C
Avoid	Repeated freeze-thaw cycles

AVAILABLE SIZES

Size Options	1 mg, 10 mg
Usage	Research use

QUALITY CONTROL

Purity Method	HPLC, Mass Spectrometry (MS)
Identity	Confirmed by ESI-MS or MALDI-TOF
Purity	Peak Area by HPLC >=95%
Documentation	Certificate of Analysis (CoA) available upon request