

HEP-1 (Human Ezrin Peptide 1)

PRODUCT DESCRIPTION

HEP-1 is a 14-amino-acid immunomodulatory peptide (trade name Gepon in Russia) with broad-spectrum antiviral and anti-inflammatory activity. Enhances B-cell and T-cell responses, increases vaccine antibody titers, suppresses IL-1/IL-6/TNF-alpha, and shows antiviral activity against HIV, HCV, herpes, HPV, and influenza.

PRODUCT SPECIFICATIONS

Catalog Number	BPT2898
CAS Number	174641-44-2
Molecular Weight	1818.00 Da
Purity	Peak Area by HPLC >=95%
Form	Lyophilized
Source	Synthetic (Chemical Synthesis, SPPS)
Endotoxin	N/A (Synthetic peptide)

AMINO ACID SEQUENCE

One-Letter Code:
Thr-Glu-Lys-Lys-Arg-Arg-Glu-Thr-Val-Glu-Arg-Glu-Lys-Glu (14aa)

RESEARCH APPLICATIONS

Application	Biological activity
Biomarker Target	Peptide Target
Research Area	Biomedical Research
Sub-category	Research Peptides & Tools

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