

SARS-CoV-2 (ORF9b) Peptide Pool

SARS-CoV-2 (ORF9b) peptide pool for immune cell activation

Catalog #100-0665

~25 µg/peptide



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Product Description

The SARS-CoV-2 (ORF9b) Peptide Pool is a lyophilized mixture of 22 peptides from open reading frame 9b (ORF9b) protein of SARS-CoV-2. SARS-CoV-2 ORF9b interacts with mitochondrial import receptor subunit TOM70 and suppresses type I interferon (Jiang et al.). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 97 on ORF9b.

Product Information

Number of Peptides:	22
Source:	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)
Protein ID:	P0DTD2 (Swiss-Prot)
Protein Name:	Protein 9b; ORF9b protein
Protein Sequence:	MDPKISEMHPALRLVDPQIQLAVTRMENAVGRDQNNVGPVKYPIILRLGSPSLNMARKTLNSLEDKAFQLTPIAVQ MTKLATTEELPDEFVVVTVK
Gene Name:	ORF9b
Purity:	Average 70%
Formulation:	Lyophilized as trifluoroacetate salts

Preparation and Storage

Storage:	Store at -20°C.
Stability:	Stable as supplied until expiry date (EXP) on label.
Preparation:	Warm to room temperature (15 - 25°C) before reconstitution. Add pure dimethyl sulfoxide (DMSO; ~40 µL) and dilute with water to the desired concentration. Final concentration of DMSO must be below 1% (v/v) to avoid toxicity in the biological system. If not used immediately, aliquot and store at -20°C. Protect from light. After thawing aliquots, do not re-freeze.

Related Products

For a complete list of peptide pools, as well as related products available from STEMCELL Technologies, visit www.stemcell.com or contact us at techsupport@stemcell.com.

References

Jiang H et al. (2020) SARS-CoV-2 Orf9b suppresses type I interferon responses by targeting TOM70. *Cell Mol Immunol* 17(9): 998–1000.

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