

# SARS-CoV-2 (NS7b) Peptide Pool

## SARS-CoV-2 (NS7b) peptide pool for immune cell activation

Catalog #100-0662

~25 µg/peptide



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

[INFO@STEMCELL.COM](mailto:INFO@STEMCELL.COM) • [TECHSUPPORT@STEMCELL.COM](mailto:TECHSUPPORT@STEMCELL.COM)

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## Product Description

The SARS-CoV-2 (NS7b) Peptide Pool is a lyophilized mixture of 8 peptides from non-structural protein 7b (NS7b) of SARS-CoV-2. NS7b is likely to be phylogenetically associated with the evolution of 2019 coronavirus, and it is involved in human-virus interaction (Bharath et al.; Fahmi et al.). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 43 on NS7b.

## Product Information

Number of Peptides:	8
Source:	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)
Protein ID:	P0DTD8 (Swiss-Prot)
Protein Name:	Non-structural protein 7b; NS7b
Protein Sequence:	MIELSLIDFYLCFLAFLFLVLIIMLIIFWFSLELQDHNETCHA
Gene Name:	NS7b
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](http://www.stemcell.com) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## References

- Bharath BR et al. (2020) In silico screening of known small molecules to bind ACE2 specific RBD on spike glycoprotein of SARS-CoV-2 for repurposing against COVID-19. *F1000Res* 9: 663.
- Fahmi M et al. (2020) Nonstructural proteins NS7b and NS8 are likely to be phylogenetically associated with evolution of 2019-nCoV. *Infect Genet Evol* 81: 104272.

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