

SARS-CoV-2 (ORF10) Peptide Pool

SARS-CoV-2 (ORF10) peptide pool for immune cell activation

Catalog #100-0664

~25 µg/peptide



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Product Description

The SARS-CoV-2 (ORF10) Peptide Pool is a lyophilized mixture of 7 peptides from open reading frame 10 (ORF10) protein of SARS-CoV-2. SARS-CoV-2 ORF10 is a unique protein in SARS-CoV-2 strain of coronaviruses and it interacts with members of Cullin 2 (CUL2) RING E3 ligase complex for ubiquitination and degradation of restriction factors (Gordon et al.; Parlikar et al.). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 38 on ORF10.

Product Information

Number of Peptides:	7
Source:	SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2)
Protein ID:	A0A663DJA2 (Swiss-Prot)
Protein Name:	ORF10 protein
Protein Sequence:	MGYINVFAFPFTIYSLLLCRMNSRNYIAQVDVVNFNLT
Gene Name:	ORF10
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

- Gordon D et al. (2020) A SARS-CoV-2-human protein-protein Interaction map reveals drug targets and potential drug-repurposing. *Nature* 583(7816): 459–68.
- Parlikar A et al. (2020) Understanding genomic diversity, pan-genome, and evolution of SARS-CoV-2. *PeerJ* 8:e9576.

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