

CMV (pp65) Peptide Pool

Cytomegalovirus (pp65) peptide pool for immune cell activation

Catalog #100-0668

~25 µg/peptide



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Product Description

The CMV (pp65) Peptide Pool is a lyophilized mixture of 138 peptides from the 65 kDa phosphoprotein (pp65) of human cytomegalovirus (CMV; strain AD169). pp65 has been shown to counteract the induction of interferon response by preventing the activation of interferon response factor 3 (IRF-3) (Abate et al.). pp65 is also important in inducing transcription of viral immediate-early promoter (Cristea et al.). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 561 on pp65.

Product Information

Number of Peptides:	138
Source:	Human cytomegalovirus (strain AD169)
Protein ID:	P06725 (Swiss-Prot)
Protein Name:	65 kDa phosphoprotein (pp65)
Protein Sequence:	MESRGRRCPEMISVLGPISGHVLKAVFSRGDTPVLPHETRLQLTGIVRVSQPSLILVSQYTPDSTPCHRGDNQLQV QHTYFTGSEVENVSNNVHNPTGRSICPSQEPMSIYVYALPLKMLNIPINVVHHYPSAAERKRRHLPVADAVIHASGKQ MWQARLTVSGLAWTRQQNQWKEPDVYYSFAVFPFKDVALRHVVCAHELVCSEMENTRATKMQVIGDQYVKKVYLES FCEDVPSGKLFMHVTLGSDVEEDLTMTNRNPQPFMRPHERNGFTVLCPKNMIKPGKISHIMLDVAFTSHEHFGLLCP KSIPGLSISGNLLMNGQQIFLEVQAIRETVELRQYDPVAALFFFDIDLLLQRGPQYSEHPTFTSQYRIQKLEYRHTWD RHDEGAAQGGDDVWTSGSDSDEELVTTERKTPRVTTGGGAMAGASTSAGRKRKSASSATACTSGVMTRGRLKAES TVAPEEDTDESDNEIHNPAVFTWPPWQAGILARNLVPVATVQGGQNLKYQEFFWDANDIYRIFAELEGVWQPAAQ PKRRRRHRQDALPGPCIASTPKKHRG
Gene Name:	UL83
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

- Abate DA et al. (2004) Major human cytomegalovirus structural protein pp65 (ppUL83) prevents interferon response factor 3 activation in the interferon response. *J Virol* 78(20): 10995–1006.
- Cristea IM et al. (2010) Human cytomegalovirus pUL83 stimulates activity of the viral immediate-early promoter through its interaction with the cellular IFI16 protein. *J Virol* 84(15): 7803–14.

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