

EBV (BZLF1) Peptide Pool

Epstein-Barr virus (BZLF1) peptide pool for immune cell activation

Catalog #100-0670

~25 µg/peptide



Scientists Helping Scientists™ | www.stemcell.com

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

INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM

FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

Product Description

The EBV (BZLF1) Peptide Pool is a lyophilized mixture of 59 peptides from trans-activator protein BZLF1 of Epstein-Barr virus (EBV; strain B95-8). BZLF1 is a DNA-binding protein that acts as a switch from latent infection to lytic infection (Packham et al.; Wen et al.). The pool consists of 15-mer peptides with 11-amino-acid overlaps that cover amino acids 1 - 245 on BZLF1.

Product Information

Number of Peptides:	59
Source:	Epstein-Barr virus (strain B95-8)
Protein ID:	P03206 (Swiss-Prot)
Protein Name:	Trans-activator protein BZLF1
Protein Sequence:	MMDPNSTSEDVKFTPDPYQVPFVQAFDQATRVYQDLGGPSQAPLPCVLWPVLPEPLPQGQLTAYHVSTAPTGSWF SAPQPAPENAYQAYAAPQLFPVSDITQNQQTNQAGGEAPQPGDNSTVQTAAAVVFACPGANQGQQLADIGVPQP APVAAPARRTRKPPQPESLEECDSELEIKRYKNRVASRKCRKFKQLLQHYREVAAAKSSENDRLRLLKQMCP SLDVDSIIPRTPDVLHEDLLNF
Gene Name:	BZLF1
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

Packham G et al. (1990) Structure and function of the Epstein-Barr virus BZLF1 protein. *J Virol* 64(5): 2110-6.

Wen W et al. (2007) Epstein-Barr virus BZLF1 gene, a switch from latency to lytic infection, is expressed as an immediate-early gene after primary infection of B- lymphocytes. *J Virol* 81(2): 1037-42.

PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.

Copyright © 2021 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, and Scientists Helping Scientists are trademarks of STEMCELL Technologies Canada Inc. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness of such information.