

Data Sheet

DESCRIPTION:	CHO-pEE14/tpa/BR29-02gp140REKR
REPOSITORY REFERENCE:	ARP5004
DETAILS OF PRODUCTION:	Stable CHO cell line secreting F-clade oligomeric gp140 (gp120 + external domain of gp41) into ambient medium. Cleavage site between gp120/41 retained. N-terminal signal sequence of gp replaced by that of tissue plasminogen activator (tpa) – cleaved from gp as it is secreted from cell. Gp140 N-termini starts E ₂₈ N ₂₉ L ₃₀ W ₃₁ V ₃₂ ; C-termini ends with 2F5 Mab epitope ELDKWAS. Full details of plasmid available on request
SPECIAL INFORMATION:	Derived from functional F clade gp160 clone p93BR029-02 (Gao et al., AIDS Res.Hum.Retro. 11, 1359-1367 (1994)); viral isolate is 93/BR/029 (Molecular clone Accession no.U27413)
GROWTH MEDIA:	Glutamine-free DMEM supplemented with GS salts (both JRH Biosciences), 5% dialysed foetal calf serum and 200µM L-methionine sulphoximine (MSX). MSX selection must be applied throughout culture. Full culture details on request
PURIFICATION:	Secreted gp140 can be immunoaffinity purified using D7324 (Aalto Bioreagents, Rathfarnham, Dublin, Ireland). Full details available on request
STORAGE:	Liquid Nitrogen

SOURCE:

Dr S.A. Jeffs, NIBSC

REFERENCES:

Jeffs et al (2002) – in press

ACKNOWLEDGEMENTS:

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Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)