

Data Sheet

DESCRIPTION:	CHO-pEE14/tpa/MVP5180gp140REKR
REPOSITORY REFERENCE:	ARP5005
DETAILS OF PRODUCTION:	Stable CHO cell line secreting O-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 S ₃₀ Y ₃₁ S ₃₂ K ₃₃ Q ₃₄ ; C-termini ends Q ₄₆₁ L ₄₆₂ D ₄₆₃ Q ₄₆₄ P ₄₆₅ . Full details of plasmid available on request
SPECIAL INFORMATION:	Derived from three O clade plasmids (SF3/4/5)spanning <i>env</i> gene (Sauermaun et al AIDS Res.Hum. Retro. 6, 813-823). Viral isolate is CA9 (Molecular clone Accession no.L20571)
GROWTH MEDIA:	Glutamine-free DMEM supplemented with GS salts , 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 <u>Galanthus nivalis</u> . 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)