

Data Sheet

DESCRIPTION:	Recombinant Nef protein (A-clade consensus sequence)
REPOSITORY REFERENCE:	ARP691.1 ARP691.2 (Low Endotoxin)
CHARACTERISTICS:	Recombinant Nef-A protein is expressed as His tag-fusion protein in E. coli using expression vector pET24 and purified using Ni-agarose columns (Qiagen). Endotoxins were removed by phase separation using Triton X-114 (described by Liu et al. <i>Clinical Biochem.</i> 30, 1997, p. 455)
SOURCE:	FIT Biotech Oyj Plc Eesti Filiaal, Tartu, Estonia
PRESENTATION:	100ug. In PBS +10% glycerol (may contain traces of Triton X-114). ARP691.1 (2mg/ml) ARP691.2 (2mg/ml)
NOTE:	Prepared for AVIP collaborative study. Non AVIP members are restricted to 1 vial per request.
PURITY:	See Fig.1 for SDS-PAGE and Fig.2 for Western blot analysis.
STORAGE:	Store at -70 °C or less. Avoid multiple freeze-thaw cycles as product degradation may occur.

PROTEIN SEQUENCE:

MGGKWSKSSIVGWPEVRERIRRTPPAAKGVGAVSQDLDKHGAVTSSNINHPSCAWLEAQEEEEV
GFPVRPQVPLRPMTYKGAFDLSHFLKEKGGLDGLIYSKKRQEILDLWVYNTQGYFPDWQNYTPGP
GIRFPLTFGWCFKLVVPDPDEVVEEATEGENNSLLHPICQHGMDDDEEREVLMWKFDSRLALKHRAR
ELHPEFYKDCLEHHHHHH

ACKNOWLEDGEMENT:

Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at <http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html> in the “Acknowledgements” section.

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)

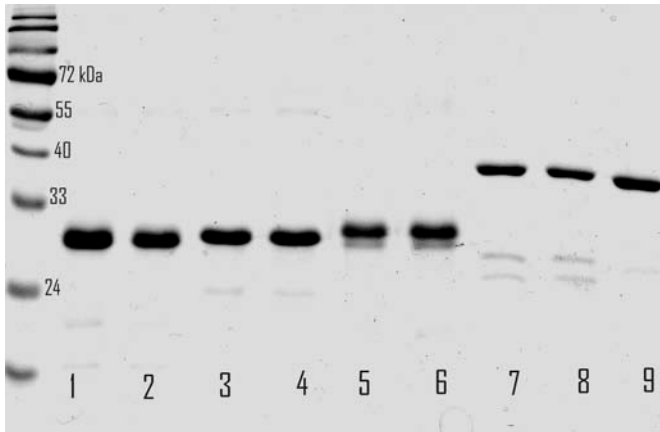


Figure 1. SDS-PAGE analysis of purified proteins (Coomassie staining)

Lane 1- Nef-A,	1 µg
Lane 2- Nef-A low endo,	1 µg
Lane 3- Nef-B	1 µg
Lane 4- Nef-B low endo	1 µg
Lane 5- Nef-C	1 µg
Lane 6- Nef-C low endo	1 µg
Lane 7- p17/24-B	1 µg
Lane 8- p17/24-B low endo	0.8 µg
Lane 9- p17/24-C	1 µg

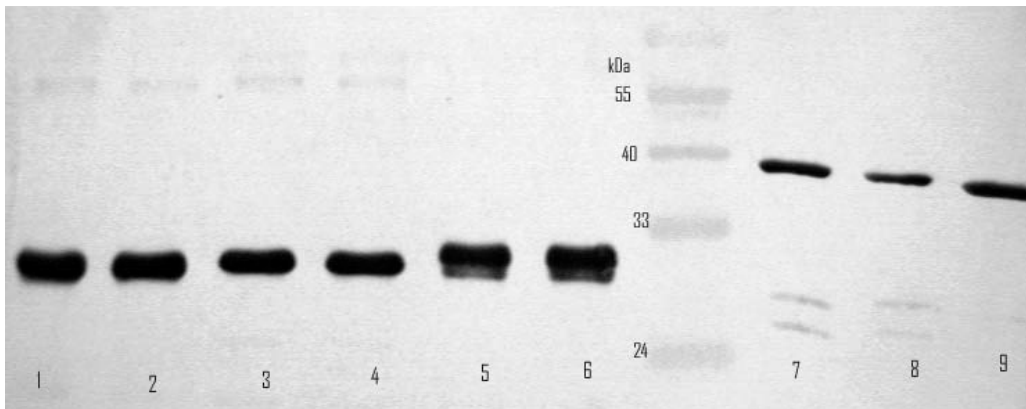


Figure 2. Western blot analysis of purified proteins, detected by monoclonal antibody against His-tag.

Lane 1- Nef-A	0.5 µg
Lane 2- Nef-A low endo	0.5 µg
Lane 3- Nef-B	0.5 µg
Lane 4- Nef-B low endo	0.5 µg
Lane 5- Nef-C	0.5 µg
Lane 6- Nef-C low endo	0.5 µg
Lane 7- p17/24-B	0.5 µg
Lane 8- p17/24-B low endo	0.4 µg
Lane 9- p17/24-C 1 µg	0.5 µg