Centre for AIDS Reagents

Data Sheet

DESCRIPTION: HIV-1 (Han-2) recombinant p17/24 protein

REPOSITORY REFERENCE: **ARP 6010**

PROTEIN: Recombinant p17/24 protein from HIV-1 (Han-2 isolate) is expressed as His tag-fusion protein in *E. coli* using expression vector pET24 and purified using Ni-columns

EXPRESSION SYSTEM: *E.coli*

PURITY: Checked by SDS-PAGE and Western blot (Fig.1 & 2)

PROTEIN CONCENTRATION: 1.1 mg/ml (based on BCA test)

BUFFER/COMPOSITION: PBS supplemented with 10% glycerol

FUSIONS: 6 x His-tag

PRESENTATION: 100µg

SEQUENCE:

MGARASVLSGGELDKWEKIRLRPGGKKKYQLKHIVWASRELERFAVNPGLLETS
EGCRQIMGQLQPSLQTGSEELRSLYNTVATLYCVHQKIEVKDTKEALDKVEEEQ
NNSKKKAQQEAADAGNRNQVSQNYPIVQNLQGQMVHQAISPRTLNAWVKV
VEEKAFSPEVIPMFSALSEGATPQDLNTMLNTVGGHQAAMQMLKETINEEAA
EWDRLHPVHAGPIAPGQMREPRGSDIAGTTSTLQEQIGWMTNNPPIPVGEIY
KRWIILGLNKIVRMYSPTSILDIKQGPKEPFRDYVDRFYKTLRAEQATQEVKNW
MTETLLVQNANPDCKTILKALGPAATLEEMMTACQGVGGPGHKARVLLEHHH
HHH

STORAGE: Store at –70 °C. Avoid multiple freeze-thaw cycles as product degradation may occur.

SOURCE: FIT Biotech Oy, Tartu, Estonia.

ACKNOWLEDGEMENTS: 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)

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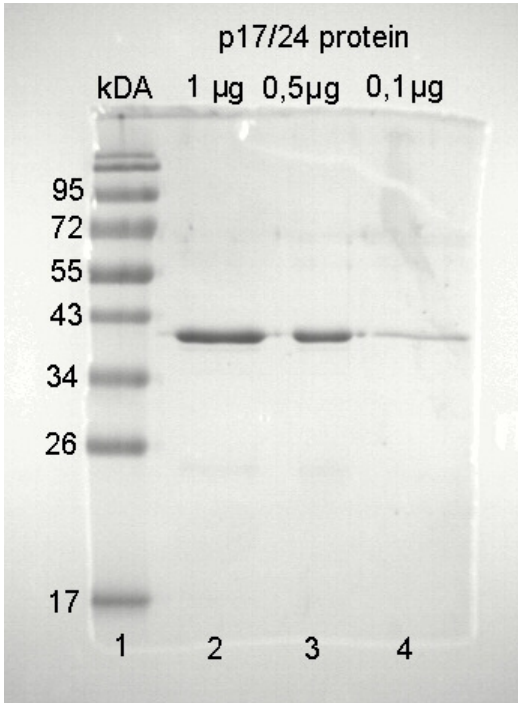

Figure. 1 SDS PAGE analysis of purified protein p17/24$_{(Han2)}$. Coomassie blue staining. Gel was loaded with 1 µg, 0.5 µg and 0.1 µg purified protein.

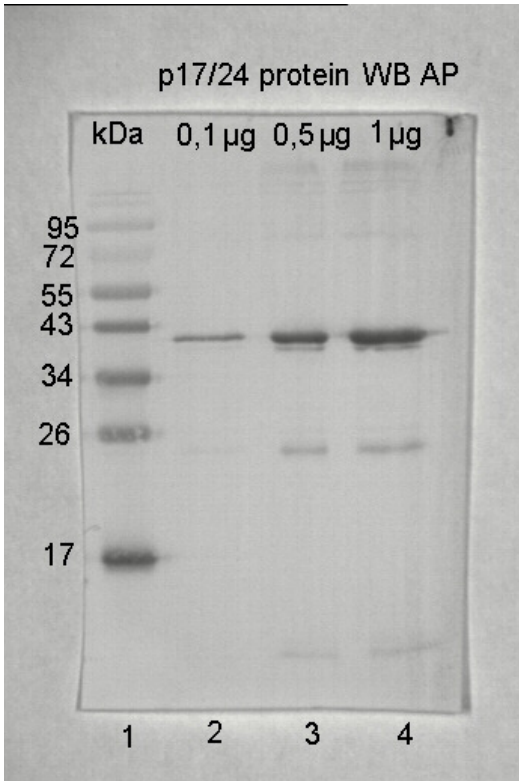

Figure 2. Western blot analysis of purified protein p17/24. Gel was loaded with 1µg, 0.5 µg and 0.1 µg protein as indicated, transferred onto PVDF membrane and detectedby the monoclonal antibody A2-851-100 (Icosagen Ltd, Tartu, Estonia). Bound antibody is detected by AP-conjugated secondary antibody and NBT/BCIP substrate