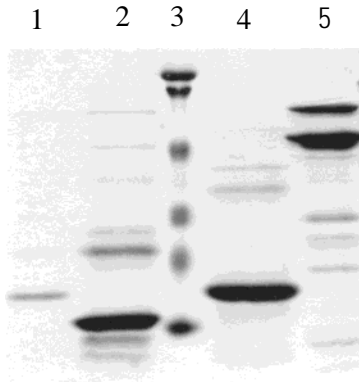


**Data Sheet**

<b>NAME:</b>	Recombinant RT protein from SIV <sub>mac</sub> clone J5
<b>REPOSITORY REFERENCE:</b>	ARP686
<b>DESCRIPTION:</b>	Recombinant RT protein is expressed as His tag-fusion protein in E.coli using expression vector pET24 and purified using Ni-columns. Endotoxins were removed by phase separation using Triton X-114 (described by Liu et al. <i>Clinical Biochem.</i> 30, 1997,p.455)
<b>UNIT SIZE:</b>	100µg in 0.31 ml
<b>PROTEIN CONCENTRATION:</b>	0.32 mg/ml (based on BCA test)
<b>PRESENTATION:</b>	PBS supplemented with 0.25 M NaCl and 5% glycerol
<b>ENDOTOXIN LEVEL:</b>	Available on request.
<b>PURITY:</b>	See Figure 1 for SDS-PAGE analysis. Endotoxin concentration <1 EU/ml (based on chromogenic LAL-assay, BioWhittaker)
<b>AMINO ACID SEQUENCE:</b>	MAPIAKVEPVKVALKPGKDGPKLKQWPLSKEKIVALREICEKM EKDQGLEEAPPTNPYNTPPTFAIKKKDKNKWRMLIDFRELNRVTQ DFTEVQLGIPHPAGLAKRKRITVLDIGDAYFSIPLDEEFRQYTAFT LPSVNNAEPGKRYIYKVLPPQGWKGSPAIFQYTMRHVLEPFRKAN PDVTLVQYMDDILIASDRDLEHDRVVLQKELLNSIGFSTTPEE KFQKDPFQWMGYELWPTKWKLQKIELPQQRETWTVNDIQKL VGVLNWAAQIYPGIKTKHLCLRLIRGKMTLTEEVQWTEMAEAEY EENKIILSQEQEGCYQEGKPLEATVIKSQDNQWSYKIHQEDKIL KVGKFAKIKNTHHTNGVRLLAHVVIQKIGKEAIVWQVQPKFHLPV EKDVWEQWWTDYWQVTWIPEWDFISTPPLVRLVFNLVKDKPIKG EETYLEHHHHHH
<b>STORAGE:</b>	This product is shipped as frozen. Store at -70° C. Avoid multiple freeze-thaw cycles as product degradation may occur.
<b>SOURCE:</b>	FIT Biotech Oyj Plc, Tampere, Finland
<b>ACKNOWLEDGEMENTS:</b>	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 <a href="http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html">http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html</a> 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 I.** SDS-PAGE (12%) analysis of recombinant proteins HIV-Rev (lane 1), HIV- Tat (lane 2), SIV-Tat (lane 4) and SIV-RT (lane 5). Lane 3 has pre-stained molecular weight markers (kDa): 119,79,46,31,24 and 19.

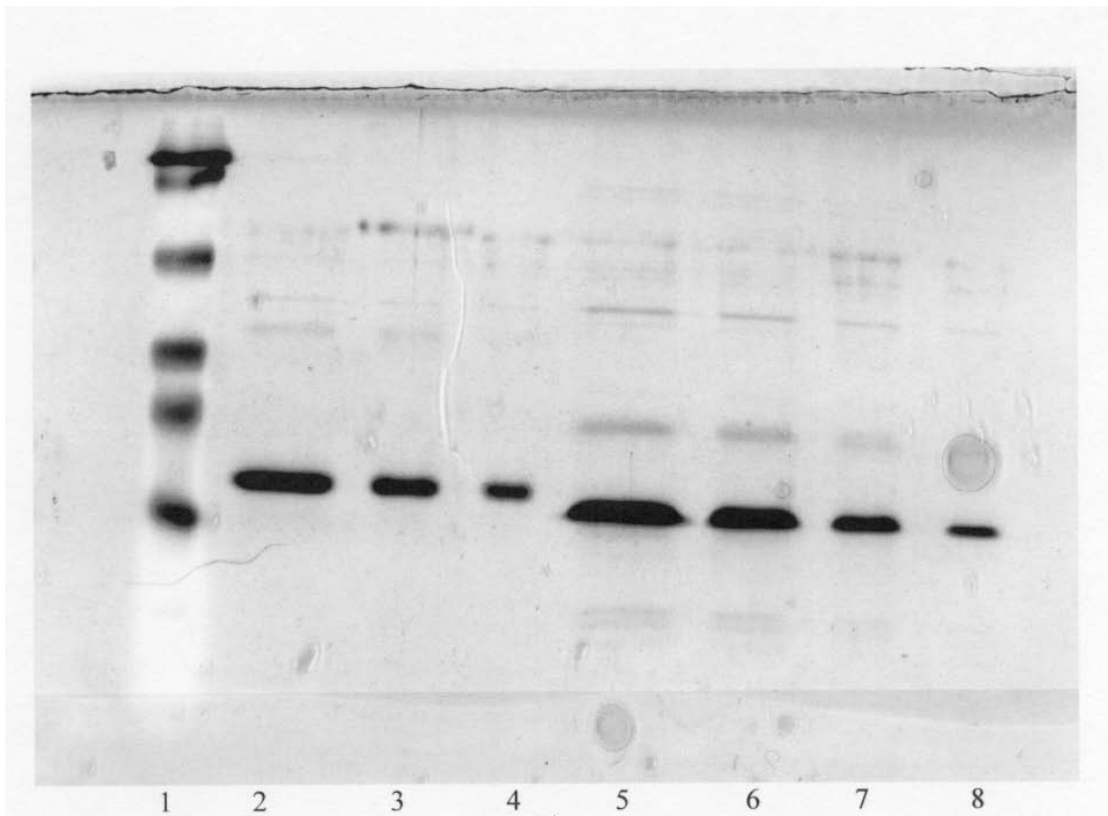
The amount of proteins (ug) loaded onto each lane:

HIV-Rev 0.4

HIV-Tat 1.9

SIV -Tat 2.5

SIV -RT 2.25



**Figure 1.**  
SDS-PAGE (15%) analysis of SIV-Tat and SIV-Rev proteins.

Lanes 2-4 , SIV-Tat, amounts loaded: 1 µg (lane 2), 0.5 µg (lane 3), 0.25 µg (lane 4)

Lanes 5-8 (SIV-Rev),

the following amounts are loaded: 1.5 µg (lane 5), 1 µg (lane 6), 0.5 µg (lane 7) and 0.25 µg (lane 8)

Molecular weight marker proteins are on lane 1 (kDa 119, 79, 46, 31, 24 and 19)