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DATA SHEET

Reagent:	HIV-1 HXB2 Rev Recombinant Protein
Catalog Number:	12707
Lot Number:	170035
Provided:	250 µg of purified protein at 1 mg/mL in PBS, 7.0 pH, sterile filtered.
Molecular Weight:	13.7 kDa
Purity:	>90%
Description:	A full length protein derived from HIV-1 HXB2 Rev.
Special Characteristics:	This regulatory protein is produced in an <i>E. coli</i> BL21(DE3) expression system and purified by size exclusion and Ni-NTA chromatography. It contained a N-terminal GB1 tag for solubility and a hexahistidine tag for purification, which were cleaved by tobacco etch virus. Cleavage resulted in a Rev with an extra Gly-Ala dipeptide at the N-terminus.
Recommended Storage:	Keep the reagent at -80°C. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	Dr. Alan Frankel
References:	Daugherty, M. D., Booth, D. S., Jayaraman, B., Cheng, Y., & Frankel, A. D. (2010). HIV Rev response element (RRE) directs assembly of the Rev homooligomer into discrete asymmetric complexes. <i>Proc Natl Acad Sci U S A</i>, 107(28), 12481-12486. doi:10.1073/pnas.1007022107 PUBMED Daugherty, M. D., D'Orso, I., & Frankel, A. D. (2008). A solution to limited genomic capacity: using adaptable binding surfaces to assemble the functional HIV Rev oligomer on RNA. <i>Mol Cell</i>, 31(6), 824-834. doi:10.1016/j.molcel.2008.07.016 PUBMED

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 HXB2 Rev Recombinant Protein from Dr. Alan Frankel"

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the UCSF Office of Innovation, Technology & Alliances (ITA) at the following email address: innovation@ucsf.edu.

Last Updated:

July 21, 2017

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