

Ferret Orthologue of *Homo sapiens* MX1, Forward Primer

Catalog No. NR-8147

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For research use only. Not for human use.

Contributor:

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Product Description:

NR-8147 pairs with NR-8148 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* MX1. MX1 is a myxovirus (influenza virus) resistance 1, interferon-inducible protein p78, (NCBI GenelD: 4599).¹

Primer sequence and properties for NR-8147 are shown in Table 1.

Material Provided:

Each vial contains lyophilized oligonucleotide primer. The total primer content for each vial is shown on the Certificate of Analysis.

Packaging/Storage:

Primers were packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C upon arrival. Reconstituted primer should also be stored at -60°C. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Ferret Orthologue of *Homo sapiens* MX1, Forward Primer, NR-8147."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety

in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. <http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&cmd=search&term=4599>

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Table 1

| Sequence | Length (nucleotides) | Molecular Weight (g/mole) | ϵ_{260} [L/(mole)(cm)] | T _m (°C) | GC Content |
|----------------------------|-------------------------|------------------------------|------------------------------------|---------------------|------------|
| 5'-ACATCCTCAGGCAGGAGACA-3' | 20 | 6120.02 | 2037211 | 62.45 | 55% |