

Ferret Orthologue of *Homo sapiens* C1 Inhibitor, Forward Primer

Catalog No. NR-8079

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For research use only. Not for human use.

Contributor:

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Product Description:

NR-8079 pairs with NR-8080 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* C1 inhibitor. C1 inhibitor is a serpin peptidase inhibitor, clade G, member 1 (NCBI GeneID: 710).¹

Primer sequence and properties for NR-8079 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 -20°C upon arrival. Reconstituted primer should also be stored at -20°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* C1 Inhibitor, Forward Primer, NR-8079."

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/bmb15/bmb15toc.htm.

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References:

1. <http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&cmd=search&term=710>

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Table 1

| Sequence | Length (nucleotides) | Molecular Weight (g/mole) | ϵ_{260} [L/(mole)(cm)] | T _m (°C) | GC Content |
|---------------------------|----------------------|---------------------------|---------------------------------|---------------------|------------|
| 5'-GCCTCTCAGGCCTGTATGG-3' | 20 | 6109.02 | 182708.1 | 64.5 | 60% |