

### Ferret Orthologue of *Homo sapiens* IL4, Reverse Primer

#### Catalog No. NR-8152

This reagent is the tangible property of the U.S. Government.

#### For research use only. Not for human use.

#### Contributor:

David J. Kelvin, Ph.D., Head, Division of Experimental Therapeutics Toronto General Research Institute, Toronto, Ontario, Canada

#### Product Description:

NR-8152 pairs with NR-8151 to amplify the ferret (*Mustela putoris furo*) orthologue of *Homo sapiens* IL4 (interleukin 4), (NCBI GeneID: 3565).<sup>1</sup>

Primer sequence and properties for NR-8152 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* IL4, Reverse Primer, NR-8152."

#### 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](http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm).

#### Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

#### Use Restrictions:

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale. This material may be subject to third party patent rights.

#### References:

1. <http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&cmd=search&term=3565>

ATCC® is a trademark of the American Type Culture Collection.



Table 1

Sequence	Length (nucleotides)	Molecular Weight (g/mole)	$\epsilon_{260}$ [L/(mole)(cm)]	T <sub>m</sub> (°C)	GC Content
5'-TTCTCGCTGTGAGGATGTTCA-3'	21	6443.29	193272.4	60.61	48%