

Ferret Orthologue of *Homo sapiens* NFAT5, Forward Primer

Catalog No. NR-8083

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For research use only. Not for human use.

Contributor:

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Product Description:

NR-8083 pairs with NR-8084 to amplify the ferret (*Mustela putorius furo*) orthologue of *Homo sapiens* NFAT5. NFAT5 is a nuclear factor of activated T-cells 5, tonicity-responsive (NCBI GeneID: 10725).¹

Primer sequence and properties for NR-8083 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* NFAT5, Forward Primer, NR-8083."

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&cm=d=search&term=10725>

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Table 1

Sequence	Length (nucleotides)	Molecular Weight (g/mole)	ϵ_{260} [L/(mole)(cm)]	T _m (°C)	GC Content
5'-ACCTCTTCCAGCCCTACCAT-3'	20	5932.9	170283.7	62.45	55%