

Product datasheet for **RC219579**

NIRF (UHRF2) (NM_152896) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIRF (UHRF2) (NM_152896) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NIRF
Synonyms:	NIRF; RNF107; TDRD23; URF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC219579 representing NM_152896
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC219579 representing NM_152896
 Red=Cloning site Green=Tags(s)

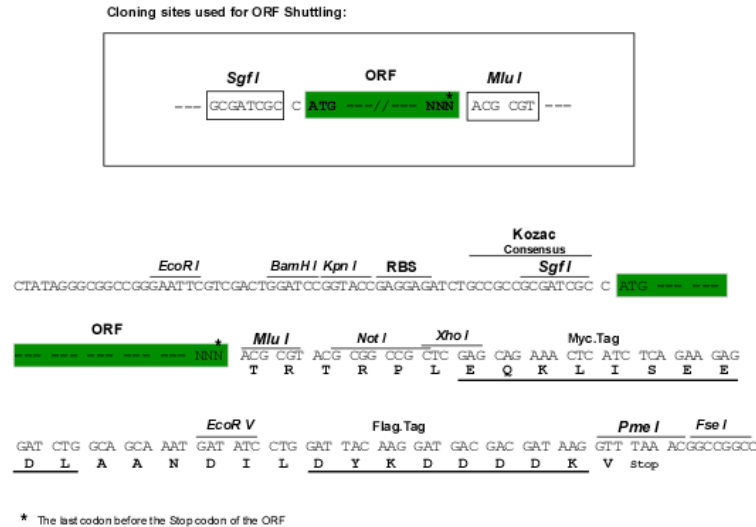
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Chromatograms: https://cdn.origene.com/chromatograms/mg2877_a02.zip

Restriction Sites: Sgfi-MluI

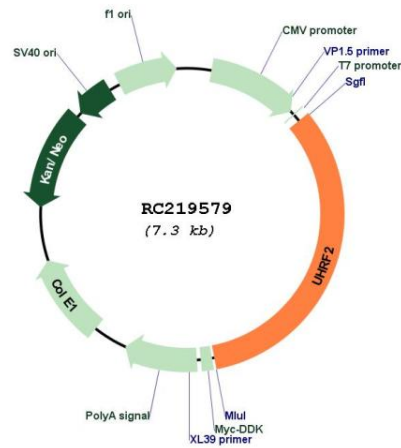
Cloning Scheme:



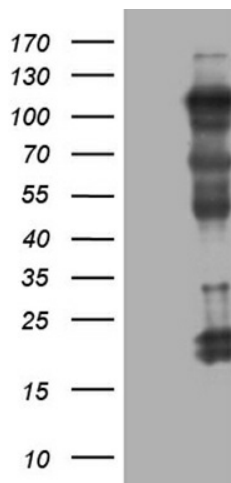
ACCN:	NM_152896
ORF Size:	2406 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152896.3</u>
RefSeq Size:	3621 bp
RefSeq ORF:	2409 bp
Locus ID:	115426
UniProt ID:	<u>Q96PU4</u>
Cytogenetics:	9p24.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	89.8 kDa
Gene Summary:	<p>This gene encodes a nuclear protein which is involved in cell-cycle regulation. The encoded protein is a ubiquitin-ligase capable of ubiquinating PCNP (PEST-containing nuclear protein), and together they may play a role in tumorigenesis. The encoded protein contains an NIRF_N domain, a PHD finger, a set- and ring-associated (SRA) domain, and a RING finger domain and several of these domains have been shown to be essential for the regulation of cell proliferation. This protein may also have a role in intranuclear degradation of polyglutamine aggregates. Alternative splicing results in multiple transcript variants some of which are non-protein coding. [provided by RefSeq, Feb 2012]</p>

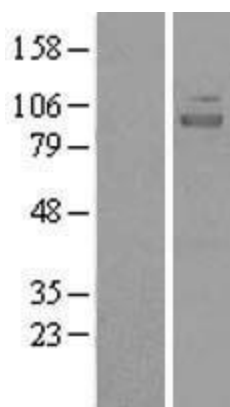
Product images:



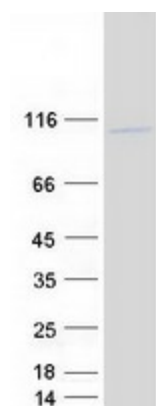
Circular map for RC219579



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY UHRF2 (Cat# RC219579, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UHRF2 (Cat# [TA810202])(1:2000). Positive lysates [LY407258] (100ug) and [LC407258] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY407258]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219579 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UHRF2 protein (Cat# [TP319579]). The protein was produced from HEK293T cells transfected with UHRF2 cDNA clone (Cat# RC219579) using MegaTran 2.0 (Cat# [TT210002]).