

## Product datasheet for **SC124707**

### **NIRF (UHRF2) (NM\_152896) Human Untagged Clone**

#### **Product data:**

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | NIRF (UHRF2) (NM_152896) Human Untagged Clone |
| Tag:                      | Tag Free                                      |
| Symbol:                   | NIRF                                          |
| Synonyms:                 | NIRF; RNF107; TDRD23; URF2                    |
| Mammalian Cell Selection: | None                                          |
| Vector:                   | <u><a href="#">pCMV6-XL4</a></u>              |
| E. coli Selection:        | Ampicillin (100 ug/mL)                        |



[View online »](#)

**Fully Sequenced ORF:** >OriGene ORF within SC124707 sequence for NM\_152896 edited (data generated by NextGen Sequencing)

```

ATGTGGATACAGGTTTCGCACCATTGATGGCTCCAAGACGTGCACCATTGAGGACGTGTCT
CGCAAAGCCACGATTGAGGAGCTGCGCGAGCGGTGTGGGCGCTGTTTCGACGTGCGGCC
GAATGCCAGCGCCTCTTCTACCGGGCAAGCAGTTGAAAAATGGATATACCTATTTGAT
TATGATGTTGACTGAATGATATAATTCAGCTGCTAGTTGCCCCAGACCCTGATCATCTT
CCTGGCACATCTACACAGATTGAGGCTAAACCCCTGTTCTAATAGTCCACCTAAAGTAAAG
AAAGCTCCGAGGGTAGGACCTTCCAATCAGCCATCTACATCAGCTCGTGCCCGTCTTATT
GATCCTGGCTTTGGAATATATAAGGTAATGAATTGGTGGATGCCAGAGATGTCGGCCTT
GGTGCTTGGTTTGAAGCACACATACATAGTGTTACTAGAGCTTCTGATGGACAGTCACGT
GGCAAACCTCCACTGAAGAATGGCAGTCTTGTAAAAGGACTAATGGAAATATAAAGCAT
AAATCCAAAGAGAACACAAATAAATTGGACAGTGTACCCCTCTACGTCTAATTCAGACTGT
GTTGCTGCTGATGAAGACGTTATTTACCATATCCAGTATGATGAATACCCAGAAAGCGGT
ACTCTAGAAATGAATGTCAAGGATCTTAGACCACGAGCTAGAACCATTTTGAATGGAAT
GAACTAAATGTTGGTGTGTGGTAATGGTTAATTATAATGTAGAAAGCTCGGACAAAGA
GGATTCTGGTTTGTGCAGAAATTACCACATTGAAGACAATCTCAAGACCAAAAAAGAA
CTTCGTGTGAAAAATTTCTGGGGGTTCTGAAGGAACATTAATGACTGCAAGATAATA
TCTGTAGATGAAATCTTCAAGATTGAGAGACCTGGAGCCCATCCCCTTTCATTTGCAGAT
GGAAAGTTTTTAAAGCGAAATGACCCTGAATGTGACCTGTGTGGTGGAGACCCAGAAAAG
AAATGTCAATCTTGTCTCTGTGCTGTATGTGGTGGGAAACATGAACCAACATGCAGCTT
CTGTGTGATGAATGTAATGTGGCTTATCATATTTACTGTCTGAATCCACCTTTGGATAAA
GTCCCAGAAGAGGAATACTGGTATTGTCCTTCTGTAAAACCTGATTCCAGTGAAGTTGTA
AAGGCTGGTAAAAGACTCAAGATGAGTAAAAAGAAAGCAAAAGATGCCGTACAGTAGTACT
GAAAGCCGAAGAGACTGGGGCAGGGGAATGGCTTGTGTTGGTTCGTACGAGAGAATGTACT
ATTGTCCCTTCTAATCATTATGGACCCATTCTGGTATTCTGTTGGATCAACTGGAGA
TTTAGAGTTCAGGTGAGCGAAGCAGGTGTTACAGACCCCATGTTGGTGAATTCATGGT
CGAAGTAATGATGGGGCTTATTCTTGTACTGGCTGGTGGATTTGCGGATGAAGTCGAC
CGAGGTGATGAGTTCACATACACTGGAAGCGGTGGTAAAAATCTTGTGGTAACAAAAGA
ATTGGTGCACCTTCAGCTGATCAAACATTAACAAACATGAACAGGGCATTGGCCCTAAAC
TGTGATGCTCCATTGGATGATAAAATTGGAGCAGAGTCTCGGAATTGGAGAGCTGGTAAG
CCAGTCAGAGTGATACGCAGTTTTAAAGGGAGGAAGATCAGCAAATATGCTCCTGAAGAA
GGCAACAGATATGATGGCATTATAAAGTGGTGAATACTGGCCAGAGATTTTCATCAAGC
CATGGATTCTTGGTTTGGCGCTATCTTTAAGAAGAGATGATGTTGAACCTGCTCCTTGG
ACCTCTGAAGGAATAGAACGGTCAAGGAGATTATGTCTACGTTTACAGTATCCAGCAGGT
TACCCCTCAGATAAAGAAGGGAAGAAGCCTAAAGGACAGTCAAAGAAGCAGCCCAGTGGA
ACCACAAAAGGCCAATTTTCAGATGATGACTGTCCAAGTGCCTCCAAAGTGTACAAAGCA
TCAGATTACAGCAGAAGCAATTGAGGCTTTTCAACTAATCCTCAACAGCAACATCTCATC
AGAGAAGATTGTCAAAACCAGAAGCTGTGGGATGAAGTGTCTTTCACATCTTGTGGAAGGA
CCAAATTTTCTGAAAAAATTGGAACAATCTTTATGTGCGTTTGTGTGTCAGGAGCTAGTT
TACCAGCCTGTGACAACTGAGTGTCTTCCACAATGTCTGTAAAGATTGTCTACAGCGCTCC
TTTAAGGCACAGTTTTCTCCTGCCCTGCTTGCCTGGCATGATCTTGGCCAGAATTACATC
ATGATTCCCAATGAGATTCTGCAGACTCTACTTGACCTTTTCTCCTGGCTACAGCAA
GGACGATGA
    
```

Clone variation with respect to NM\_152896.2  
2268 c=>t

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for NM_152896 unedited<br>ACTCACTATTAGGGCGGCCGGAATTCGCACGAGGGCGCGGCAGACATGGCCTCTTCC<br>TATCTTTGAGGCGGTGTCTGCGGCAGCGCCTCAGAGTGGTTCCGGTCGTCTCTCCTCAAG<br>TCGGCTAGTCGGGCGCGCGCTGAGAGTCGTGCGCCGCTGTGCGGCCCGGGTCCGGTC<br>GGTCCGGTGGGCGCGCTCGCCCGCTGCCGCTGAGGGCCGAGCCGAGGGAAAGCGGCG<br>CGGGCCGGGCGGGCGCGCCAGAGCTCAGGGGAGACAAAGGGGACCGTTCTCTCT<br>CTAGGCGCCAAGATGTGGATACAGGTTTCGACCATTTGATGGCTCCAAGACGTGCACCATT<br>GAGGACGTGTCTCGCAAAGCCACGATTGAGGAGCTGCGCGAGCGGGTGTGGGCGCTGTTCC<br>GACGTGCGGCCCGAATGCCAGCGCCTTCTACCGGGCAAGCAGTTGGAAAATGGATAT<br>ACCTTATTTGATTATGATGTTGGACTGAATGATATAATTCAGCTGCTAGTTCGCCAGAC<br>CCTGATCATCTTCTGGCACATCTACACAGATTGAGGCTAAACCTGTTCTAATAGTCCA<br>CCTAAAGTAAAGAAAGCTCCGAGGGTAGGACCTTCCAATCAGCCATCTACATCAGCTCGT<br>GCCCGTCTATTGATCCTGGCTNTGGATATATAAGGTAATGAATTGGTGGATGCCANAG<br>ATGTCGCCTTGGTCTTGGTTTGAAGCCACATACATAGTGGTACTANAGCTTCTGATGGA<br>CAGTCACGTGGCAAAACTCCACTGAGAAAGGCAGGTTCTGAAAAGGACTAATGGAATTT<br>TTAAGCTTAATTC |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ACCN:</b>                        | NM_152896                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Insert Size:</b>                 | 4000 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>OTI Disclaimer:</b>              | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq:</b>                      | <a href="#">NM_152896.1</a> , <a href="#">NP_690856.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>                 | 3621 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>                  | 2409 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Locus ID:</b>                    | 115426                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID:</b>                  | <a href="#">Q96PU4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>                | 9p24.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Families:</b>            | Druggable Genome, Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**Gene Summary:**

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]

Transcript Variant: This variant (1) represents the shorter transcript.