

Product datasheet for **RG201560**

IFRD1 (NM_001007245) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | IFRD1 (NM_001007245) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | IFRD1 |
| Synonyms: | PC4; TIS7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RG201560 representing NM_001007245
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCGAAGAACAAGAAGCGGAACACTCCCCACCGCGGTAGCAGTGCTGGCGGCGCGGGTCAAGAGCAG
 CCGCAGCGACGGCGCGACAGCAGGTGGCCAGCATCGAAATGTTACGCCTTTTAGTGATGAAGATGCATC
 AATTGAAACAATGAGCCATTGCAGTGGTTATAGCGATCCTTCCAGTTTTGCTGAAGATGGACCAGAAGTC
 CTTGATGAGGAAGGAACCAAGAAGACCTAGAGTACAAGTTGAAGGGATTAATTGACCTAACCTGGATA
 AGAGTGCAGAACAGGCAAGCAGCTCTTGAAGGTATTAATAATGCAGTGGCTTCAAAAATGCTGTATGA
 ATTTATTCTGAAAGGAGAATGACTTTAACTGATAGCATTGAACGCTGCCTGAAAAAGGTAAGAGTGAT
 GAGCAACGTGCAGCTGCAGCGTTAGCATCTGTTCTTTGATTTCAGCTGGGCCCTGGAATTGAAAGTGAAG
 AGATTTTGAAGAACTCTTGACCAATCCTAAAGAAAATCATTGTGATGGGTGAGTATGCAGGCTAG
 GCAAACCTTGCAACTTGTCTTGGTGTGTTGCTGTTTTATTGCCACAGATGACATTACTGAACTATACTCA
 ACTCTGGAATGTTTGGAAAATATCTTCACTAAATCCTATCTCAAAGAGAAAGACACTACTGTTATTTGCA
 GCACTCCTAATACAGTGCTTCATATCAGCTCTCTTCTTGCATGGACACTACTGCTGACCATATGCCAAT
 CAATGAAGTGAAGAAAAGCTTGAGATGCATTTCCATAAGCTTCCAAGCCTCCTCTCTTGTGATGATGTA
 AACATGAGAATAGCTGCTGGTGAATCTTTGGCACTTCTCTTTGAATTGGCCAGAGGAATAGAGAGTGACT
 TTTTTTATGAAGACATGGAGTCTTGGACGAGATGCTTAGGGCCTGGCAACAGATGGAATAAACACCG
 GGCCAAAGTGGACAAGAGAAAGCAGCGGTGAGTTTTCAGAGATGCTCCTGAGGGCAGTGGAGAACGGGAT
 TTTCCAACAGAAACCATTAATTTGGTCTGAACGCATGTATATTGATTGCTGGGTAAAAAACACACCT
 ATGACACCTTTAAGGAGGTTCTTGGATCAGGGATGCAGTACCACCTGCAGTCAAATGAATTCCTTCGAAA
 TGTATTTGAAGTGGACCCAGTGTGCTTGTGCTGCAACGCTTAAAACGATGAAGATTTCTCGTTTC
 GAAAGGCATTTATATACTCTGCAGCCTTCAAAGCTCGAACCAAAGCTAGAAGCAAATGTCGAGATAAGA
 GAGCAGATGTTGGAGAATTCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201560 representing NM_001007245
 Red=Cloning site Green=Tags(s)

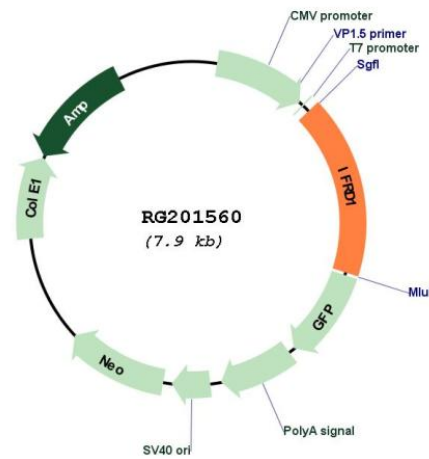
MPKNKKRNTPHRGSSAGGGGSGAAAATAATAGGQHRNVQPFSDASDIETMSHCSGYSYDPSSFAEDGPEV
 LDEEGTQEDLEYKLGKGLIDLTLDKSAKTRQAALLEGIKNALASKMLYEFILERRMTLTDSIERCLKKGGKSD
 EQRAAAALASVLCIQLGPGIESEEILKTLGPILKKIICDGSASMQRQTCATCFGVCCFIATDDITELYS
 TLECLENIFTKSYLKEKDTTIVICSTPNTVLHISSLLAWTLLLITCPINEVKKKLEMHFKLPSLLSCDDV
 NMRIAAGESLALLFELARGIESDFFYEDMESLTQMLRALATDGNKHRKVDKRRQSVFRDVLRAVEERD
 FPTETIKFGPERMYIDCWVKKHTYDTFKEVLGSGMQYHLQSNEFLRNVFELGPPVMLDAATLKTMKISRF
 ERHLYNSAAFKARTKARSKCRDKRADVGEFF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001007245

ORF Size: 1353 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.

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| 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. |
| RefSeq: | <u>NM_001007245.2</u> |
| RefSeq Size: | 2487 bp |
| RefSeq ORF: | 1356 bp |
| Locus ID: | 3475 |
| UniProt ID: | <u>O00458</u> |
| Cytogenetics: | 7q31.1 |
| Gene Summary: | This gene is an immediate early gene that encodes a protein related to interferon-gamma. This protein may function as a transcriptional co-activator/repressor that controls the growth and differentiation of specific cell types during embryonic development and tissue regeneration. Mutations in this gene are associated with sensory/motor neuropathy with ataxia. This gene may also be involved in modulating the pathogenesis of cystic fibrosis lung disease. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2010] |