

## Product datasheet for **RC230825**

### IFRD1 (NM\_001197079) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IFRD1 (NM_001197079) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IFRD1
Synonyms:	PC4; TIS7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC230825 representing NM\_001197079  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCGAAGAACAAGAAGCGGAACACTCCCCACCGCGGTAGCAGTGCTGGCGCGCGGGTCAAGAGCAG  
 CCGCAGCGACGGCGCGACAGCAGGTGGCCAGCATCGAAATGTTACGCCTTTTAGTGATGAAGATGCATC  
 AATTGAAACAATGAGCCATTGCAGTGGTTATAGCGATCCTCCAGTTTTGCTGAAGATGGACCAGAAGTC  
 CTTGATGAGGAAGGAAGCAAGAAGACCTAGAGTACAAGTTGAAGGGATTAATTGACCTAACCTGGATA  
 AGAGTGCAGAGACAAGGCAAGCAGCTCTTGAAGGTATTAATAATGCAGTGGCTTCAAAAATGCTGTATGA  
 ATTTATCTGAAAGGAGAATGACTTTAACTGATAGCATTGAACGCTGCCTGAAAAAGGTAAGAGTGAT  
 GAGCAACGTGCAGCTGCAGCGTTAGCATCTGTTCTTTGATTTCAGCTGGGCCCTGGAATTGAAAGTGAAG  
 AGATTTTGAAGAACTCTTGACCAATCCTAAAGAAAATCATTGTGATGGGTGAGTGTAGCAGGCTAG  
 GCAAACCTTGCAACTTGTCTTGGTGTCTGTTTATTGCCACAGATGACATTACTGAACTATACTCA  
 ACTCTGGAATGTTTGGAAAATATCTTCACTAAATCCTATCTCAAAGAGAAAGACACTACTGTTATTTGCA  
 GCACTCCTAATACAGTGCTTCATATCAGCTCTCTTCTTGCATGGACACTACTGCTGACCATATGCCAAAT  
 CAATGAAGTGAAGAAAAAGCTTGAGATGCATTTCCATAAGCTTCCAAGCCTCCTCTCTTGTGATGATGTA  
 AACATGAGAATAGCTGCTGGTGAATCTTTGGCACTTCTCTTTGAATTGGCCAGAGGAATAGAGAGTGACT  
 TTTTTTATGAAGACATGGAGTCTTGGACGAGATGCTTAGGGCCTTGGCAACAGATGGAATAAACACCG  
 GGCCAAAGTGGACAAGAGAAAGCAGCGGTCAAGTTTTCAGAGATGCTTGGAGGAGTGGAGGAACGGGAT  
 TTTCCAACAGAAACCATTAAATTTGGTCTGAACGCATGTATATTGATTGCTGGGTAAAAAACACACCT  
 ATGACACCTTTAAGGAGTTCTTGGATCAGGGATGCAGTACCAGTCAAGTCAAAATGAATTCCTTCGAAA  
 TGTATTTGAAGTGGACCCAGTGTGCTTGTGCTGCAACGCTTAAACGATGAAGATTTCTCGTTTC  
 GAAAGGCATTTATATAACTCTGCAGCCTTCAAAGCTCGAACCAAAGCTAGAAGCAAATGTCGAGATAAGA  
 GAGCAGATGTTGGAGAATTCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230825 representing NM\_001197079  
 Red=Cloning site Green=Tags(s)

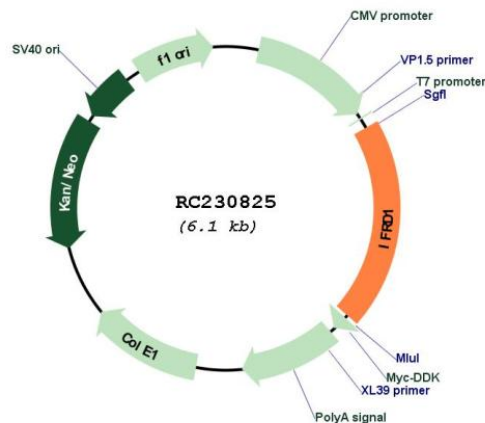
MPKNKRNTPHRGSSAGGGGSGAAAATAATAGGQHRNVQPFSDASIEIETMSHCSGYSDPSSFAEDGPEV  
 LDEEGTQEDLEYKLGKGLIDLTLKSAKTRQAALLEGIKNALASKMLYEFILERRMTLTDSEIERCLKKKGKSD  
 EQRAAAALASVLCIQLGPGIESEEILKTLGPILKKIICDGSASMQARQTCATCFVCCFIATDDITELYS  
 TLECLENIFTKSYLKEKDTTIVICSTPNVTLHISLLAWTLLLITCPINEVKKKLEMHFKLPSLLSCDDV  
 NMRIAAGESLALLFELARGIESDFFYEDMESLTQMLRALATDGNKHKRAKVDKQKRSVFRDVLRAVEERD  
 FPTETIKFGPERMYIDCWVKKHTYDTFKEVLGSGMQYHLQSNFLRNVFELGPPVMLDAATLKTMIKISR  
 ERHLYNSAAFKARTKARSKCRDKRADVGEFF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001197079

**ORF Size:** 1356 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:**

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:** [NM\\_001197079.1](#), [NP\\_001184008.1](#)

**RefSeq Size:** 3404 bp

**RefSeq ORF:** 1206 bp

**Locus ID:** 3475

**UniProt ID:** [O00458](#)

**Cytogenetics:** 7q31.1

**MW:** 50.3 kDa

**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]