

## Product datasheet for **SC324577**

### IFRD1 (NM\_001007245) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IFRD1 (NM_001007245) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFRD1
Synonyms:	PC4; TIS7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001007245.1  
 CTAGAGAGAAACATGTATCGTTTTTCGATCACAGCTCTTCACGGGGATTTCTGCTGCCGCC  
 ACCGCCCACTCTTACCCCGCCGCTTCTCGACTCTGTTGTTAGCCGAAGACTCGCCTCTC  
 AGCCGCCCGCCGACAGACGCACGAGTAAAAAGTGCAGCTCCATCGGCTGATCCTCGCTA  
 AGCTCCGACTCTGGGCGGCACCGGGCGTCCCACGATGCCGAAGAACAAGAAGCGGAACAC  
 TCCCCACCGCGGTAGCAGTGTGGCGGGCGGGTCAAGAGCAGCCGACGCGACGGCGGC  
 GACAGCAGGTGGCCAGCATCGAAATGTTACAGCTTTTAGTGATGAAGATGCATCAATTGA  
 AACAAATGAGCCATTGCACTGGTTATAGCGATCCTTCCAGTTTTGCTGAAGATGGACCAGA  
 AGTCCTTGATGAGGAAGGAACTCAAGAAGACCTAGAGTACAAGTTGAAGGGATTAATTGA  
 CCTAACCTGGATAAAGAGTGCAGAACAAAGCAAGCAGCTCTTGAAGGTATTAATAATGC  
 ACTGGCTTCAAAAATGCTGTATGAATTTATTCTGGAAAGGAGAATGACTTTAACTGATAG  
 CATTGAACGCTGCCTGAAAAAGGTAAGAGTGATGAGCAACGTCAGCTGCAGCGTTAGC  
 ATCTGTTCTTTGTATTACAGCTGGGCCCTGGAATTGAAAGTGAAGAGATTTTGAAAATCT  
 TGGACCAATCCTAAAGAAAATCATTGTGATGGGTGAGTAGTATGCAGGCTAGGCAAC  
 TTGTGCAACTTGCTTTGGTGTGTTGCTGTTTTATTGCCACAGATGACATTACTGAACTATA  
 CTCAACTCTGGAATGTTTGGAAAATATCTTCACTAAATCTATCTCAAAGAGAAAAGACAC  
 TACTGTTATTTGCAGCACTCCTAATACAGTGCTTCATATCAGCTCTCTTCTTGCATGGAC  
 ACTACTGCTGACCATATGCCCAATCAATGAAGTGAAGAAAAAGCTTGAGATGCATTTCCA  
 TAAGCTTCCAAGCCTCCTCTCTTGTGATGATGTAACATGAGAATAGCTGCTGGTGAATC  
 TTTGGCACTTCTCTTTGAATTGGCCAGAGGAATAGAGAGTGACTTTTTTTATGAAGACAT  
 GGAGTCTTGACGCAGATGCTTAGGGCCTTGGCAACAGATGGAATAAACACCGGGCCAA  
 AGTGGACAAGAGAAAAGCAGCGGTGAGTTTTAGAGATGTCCTGAGGGCAGTGGAGGAACG  
 GGATTTTCCAACAGAAACCATTAATTTGGTCTGAACGCATGTATATTGATTGCTGGGT  
 AAAAAAACACACCTATGACACCTTTAAGGAGTTCTTGGATCAGGGATGCAGTACCCTT  
 GCAGTCAATGAATTCCTTCGAAATGTATTTGAACTTGGACCCCAAGTATGCTTGTATGC  
 TGCAACGCTTAAACGATGAAGATTTCTCGTTTCGAAAGGCATTTATATACTCTGCAGC  
 CTTCAAAGCTCGAACCAAGCTAGAAGCAAATGTCGAGATAAGAGAGCAGATGTTGGAGA  
 ATTCTTAGATTTTCAAGACTTGAAGACTATTTTCTAATTTCTATTTTTTTTCTATTT  
 CAATGTATTTAACTCTAGACACAGTTTTTATCCTGGATTAAGTAACTTAGATAACTTTTGTAG  
 CAGTGGTTATATTGCTTATAATTTAATGTACAATACTATTGAACTGGTGAAGTTCTGATT  
 ATTAATATTCTGTAAATCAGTAAACATGTATAAAGTAAAAAAAAAAAAAAAAAAAAA  
 AAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001007245

**OTI Disclaimer:** 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001007245.1](#), [NP\\_001007246.1](#)

**RefSeq Size:** 2487 bp

**RefSeq ORF:** 1356 bp

**Locus ID:** 3475

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

**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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.