

Product datasheet for **RG232658**

IFRD1 (NM_001197080) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IFRD1 (NM_001197080) 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)
ORF Nucleotide Sequence: >RG232658 representing NM_001197080
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCCATTGCAGTGGTTATAGCGATCCTTCCAGTTTTGCTGAAGATGGACCAGAAGTCCTTGATGAGG
 AAGGAACCAAGAAGACCTAGAGTACAAGTTGAAGGGATTAATTGACCTAACCTGGATAAGAGTGCGAA
 GACAAGGCAAGCAGCTCTTGAAGGTATTAATAATGCACCTGGCTTCAAAAATGCTGTATGAATTTATTCTG
 GAAAGGAGAATGACTTTAACTGATAGCATTGAACGCTGCCTGAAAAAAGTAAGAGTGATGAGCAACGTG
 CAGCTGCAGCGTTAGCATCTGTTCTTTGTATTCAGCTGGGCCCTGGAATTGAAAGTGAAGAGATTTTGAA
 AACTCTTGACCAATCCTAAAGAAAATCAATTTGTGATGGGTGAGCTAGTATGCAGGCTAGGCAAACCTGT
 GCAACTTGCTTTGGTGTGTTGCTGTTTTATTGCCACAGATGACATTACTGAACTATACTCAACTCTGGAAT
 GTTTGGAAAATATCTTCACTAAATCCTATCTCAAAGAGAAAGACACTACTGTTATTTGCAGCACTCCTAA
 TACAGTGCTTCATATCAGCTCTCTTCTTGCATGGACACTACTGCTGACCATATGCCCAATCAATGAAGTG
 AAGAAAAGCTTGAGATGCATTTCCATAAGCTTCCAAGCCTCCTCTCTTGTGATGATGTAACATGAGAA
 TAGCTGCTGGTGAATCCTTGGCACTTCTCTTTGAATTGGCCAGAGGAATAGAGAGTGACTTTTTTATGA
 AGACATGGAGTCTTGGCAGATGCTTAGGGCCTTGGCAACAGATGGAATAAACACCGGGCCAAAGTG
 GACAAGAGAAAAGCAGCGGTCAGTTTTTCAGAGATGTCCTGAGGGCAGTGGAGGAACGGGATTTTCCAACAG
 AAACCATTAAATTTGGTCTGAACGCATGTATATTGATTGCTGGGTAAAAAACACACCTATGACACCTT
 TAAGGAGTTCTTGGATCAGGGATGCAGTACCCTTGCAGTCAAATGAATTCCTTCGAAATGATTTGAA
 CTTGGACCCCAAGTATGCTTGTGCTGCAACGCTTAAACGATGAAGATTTCTCGTTTCGAAAGGCATT
 TATATACTCTGCAGCCTTCAAAGCTCGAACCAAGCTAGAAGCAAATGTCGAGATAAGAGAGCAGATGT
 TGGAGAATTCTTC

ACGGTACGGCGGCTCGAG - GFP Tag - GTTTAA



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MSHCSGYSDPSSFAEDGPEVLDEEGTQEDLEYKLGKGLIDLTLDKSAKTRQAALEGIKNALASKMLYEFIL
 ERRMTLTDSIERCLKKGGKSDQRAAAALASVLCIQLGPGIESEEILKTLGPILKKIICDGSASMQRQTC
 ATCFGVCCFIATDDITELYSTLECLENIFTKSYLKEKDDTVICSTPNPTVLHISSLLAWTLTICPINEV
 KKKLEMHFHKLPSLLSCDDVNMRIAAGESLALLFELARGIESDFFYEDMESLTQMLRALATDGNKHRKAV
 DKRKQRSVFRDVLRAVEERDFPTETIKFGPERMYIDCWVKKHTYDTFKEVLGSGMQYHLQSNFLRNVFE
 LGPPVMLDAATLKTMKISRFERHLYNSAAFKARTKARSKCRDKRADVGEFF

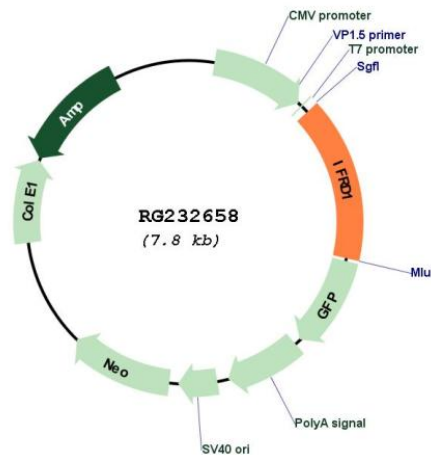
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001197080

ORF Size:	1203 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.
RefSeq:	NM_001197080.1 , NP_001184009.1
RefSeq Size:	3239 bp
RefSeq ORF:	1206 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]