

Product datasheet for **SC329460**

IFRD1 (NM_001197080) Human Untagged Clone

Product data:

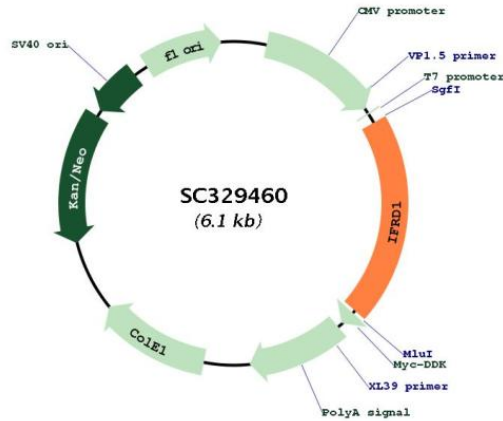
Product Type: Expression Plasmids
Product Name: IFRD1 (NM_001197080) Human Untagged Clone
Tag: Tag Free
Symbol: IFRD1
Synonyms: PC4; TIS7
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329460 representing NM_001197080.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGCCATTGCAGTGGTTATAGCGATCCTTCCAGTTTTGCTGAAGATGGACCAGAAGTCCTTGATGAG
GAAGGAACTCAAGAAGACCTAGAGTACAAGTTGAAGGGATTAATTGACCTAACCCGGATAAGAGTGCG
AAGACAAGGCAAGCAGCTCTTGAAGGTATTAATAATGCACTGGCTTCAAAAATGCTGTATGAATTTATT
CTGGAAAGGAGAATGACTTTAACTGATAGCATTGAACGCTGCCTGAAAAAAGGTAAGAGTGATGAGCAA
CGTGCAGCTGCAGCGTTAGCATCTGTTCTTTGTATTTCAGCTGGGCCCTGGAATTGAAAGTGAAGAGATT
TTGAAAACCTTTGGACCAATCCTAAAGAAAATCATTTGTGATGGGTGAGTGTGATGAGGCTAGGCAA
ACTTGTGCAACTTGCTTTGGTGTGTTGCTGTTTTATTGCCACAGATGACATTACTGAACTATACTCAACT
CTGGAATGTTTGGAAAATATCTTCACTAAATCCTATCTCAAAGAGAAAAGACACTACTGTTATTTGCAGC
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AATGAAGTGAAGAAAAGCTTGAGATGCATTTCCATAAGCTTCCAAGCCTCCTCTCTTGTGATGATGTA
AACATGAGAATAGCTGCTGGTGAATCCTTGGCACTTCTCTTTGAATTGGCCAGAGGAATAGAGAGTGAC
TTTTTTTATGAAGACATGGAGTCCTTGACGCAGATGCTTAGGGCCTTGGCAACAGATGGAATAAACAC
CGGGCCAAAGTGGACAAGAGAAAAGCAGCGGTGAGTTTTTCAGAGATGCTGAGGGCAGTGGAGGAACGG
GATTTTCCAACAGAAACCATTAATTTGGTCTGAACGCATGTATATTGATTGCTGGGTAACAAAACAC
ACCTATGACACCTTTAAGGAGTTCTTGGATCAGGGATGCAGTACCCTTGCAGTCAAATGAATTCCTT
CGAAATGTATTTGAACTTGGACCCCAAGTATGCTTGTGCTGCAACGCTTAAAACGATGAAGATTTCT
CGTTTCGAAAGGCATTTATATACTCTGCAGCCTTCAAAGCTCGAACCAAGCTAGAAGCAAATGTCGA
GATAAGAGAGCAGATGTTGGAGAATTCCTTAG
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001197080

Insert Size: 1206 bp

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).

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_001197080.1](#)

RefSeq Size: 3239 bp

RefSeq ORF: 1206 bp

Locus ID: 3475
UniProt ID: [O00458](#)
Cytogenetics: 7q31.1
MW: 45.3 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]

Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Both variant 3 and 4 encode the same isoform (2). 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.