

Product datasheet for SC305325

IRTA2 (FCRL5) (NM_031281) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IRTA2 (FCRL5) (NM_031281) Human Untagged Clone
Tag:	Tag Free
Symbol:	IRTA2
Synonyms:	BXMAS1; CD307; CD307e; FCRH5; IRTA2; PRO820
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_031281 edited
ATCTCAGCCCTTGGTGGTCCAGGTCTTCATGCTGCTGTGGGTGATATTACTGGTCCCTGGC
TCCTGTGACAGTGGACAGTTTGAAGGACACCCAGGCCATTATTTTCTCCAGCCTCCATG
GACCACAGTCTTCCAAGGAGAGAGAGTACCCTCACTTGAAGGATTTTCGCTTCTACTC
ACCACAGAAAACAAAATGGTACCATCGGTACCTTGGGAAAGAAATACTAAGAGAAAACCC
AGACAATATCCTTGAGGTTCAGGAATCTGGAGAGTACAGATGCCAGGCCAGGGCTCCCC
TCTCAGTAGCCCTGTGCACCTGGATTTTTCTTCAGCTTCGCTGATCCTGCAAGCTCCACT
TTCTGTGTTTTGAAGGAGACTCTGTGTTCTGAGGTGCCGGCAAAGGCGGAAGTAACACT
GAATAACTATTTACAAGAATGATAATGTCCTGGCATTCTTAATAAAAAGAACTGACTT
CCATATTCCTCATGCATGTCTCAAGGACAATGGTGCATATCGCTGTACTGGATATAAGGA
AAGTTGTTGCCCTGTTTTCTCCAATACAGTCAAAATCCAAGTCCAAGAGCCATTTACACG
TCCAGTGCTGAGAGCCAGCTCCTTCCAGCCCATCAGCGGGAACCCAGTGACCCTGACCTG
TGAGACCCAGCTCTCTAGAGAGGTGATGATGTCGCTCCGCTCCGGTTCCGCTTCTTCAGAGA
TGACCAGACCCTGGGATTAGGCTGGAGTCTCTCCCGAATTTCCAGATTACTGCCATGTG
GAGTAAAGATTACGGGTTCTACTGGTGAAGGCAGCAACAATGCCTCACAGCGTCATATC
TGACAGCCCGAGATCCTGGATACAGGTGCAGATCCCTGCATCTCATCCTGTCTCACTCT
CAGCCCTGAAAAGGCTCTGAATTTTGAAGGAAACCAAGGTGACACTTCACTGTGAAACCA
GGAAGATTCTCTGCGCACTTTGTACAGGTTTTATCATGAGGGTGTCCCTGAGGCACAA
GTCAGTCCGCTGTGAAAGGGGAGCATCCATCAGCTTCTCACTGACTACAGAGAATTCAGG
GAACTACTACTGCACAGCTGACAATGGCCTTGGCGCCAAGCCAGTAAGGCTGTGAGCCT
CTCAGTCACTGTTCCCGTGTCTCATCCTGTCTCAACCTCAGCTCTCCTGAGGACCTGAT
TTTTGAGGGAGCCAAGGTGACACTTCACTGTGAAGCCAGAGAGGTTCACTCCCCATCCT
GTACCAGTTTCATCATGAGGATGCTGCCCTGGAGCGTAGGTGGCCAACTCTGCAGGAGG
AGTGGCCATCAGCTTCTCTGACTGCAGAGCATTAGGGAACTACTACTGCACAGCTGA
CAATGGCTTTGGCCCCAGCGCAGTAAGGCGGTGAGCCTCTCCATCACTGTCCCTGTGTC
TCATCCTGTCTCACCCTCAGCTCTGCTGAGGCCCTGACTTTTGAAGGAGCCACTGTGAC
ACTTCACTGTGAAGTCCAGAGAGGTTCCCAACAATCCTATACCAGTTTTATCATGAGGA



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CATGCCCTGTGGAGCAGCTCAACACCCTCTGTGGGAAGAGTGTCTTCAGCTTCTCTCT
 GACTGAAGGACATTTCAGGGAATTACTACTGCACAGCTGACAATGGCTTTGGTCCCCAGCG
 CAGTGAAGTGGTGAAGCTTTTGTCACTGTTCCAGTGTCTCGCCCCATCCTCACCCCTCAG
 GGTTCACAGGGCCAGGCTGTGGTGGGGACCTGCTGGAGCTTCACTGTGAGGCCCGAG
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 CTACTCATGTGAGGCCAACAAATGGCCTAGTGGCCAGCACAGTGACACAATATCACTCAG
 TGTATAGTTCCAGTATCTCGTCCCATCCTCACCTTCAGGGCTCCAGGGCCAGGCTGT
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 CCCCAAAGTTCCCTTGGGGGAGAAGCAGCATTGAAGTGGGAAGATTTAGGCTGCCCCAG
 ACCATATCTACTGGCCTTTGTTTACATGTCCTCATTCTCAGTCTGACCAGAATGCAGGG
 CCCTGCTGGACTGTACCTGTTTCCAGTTAAAGCCCTGACTGGCAGGTTTTTAAATCCA
 GTGGCAAGGTGCTCCCACTCCAGGGCCAGCACATCTCCTGGATTCTTGTGGGCTTCA
 GCTGTGGTTGCTGTTCTGAGTACTGCTCTCATCACACCCACAGAGGGGCTTACCAC
 ACAAGGGAGAGTGGGCCTCAGGAGATGCCGGGCTGGCCTAACAGCTCAGGTGCTCCTA
 AACTCCGACACAGAGTTCCTGCTTTG

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_031281 unedited
 CCCGTTTGCTTTTGTATACGCTTTATATAGGGCGGCCGCGATTGCGCCTTACCATCTCA
 GCCCTTGGTGGTCCAGGTCTTATGCTGCTGTGGGTGATTAATGCTGCTGGCTCCTGT
 CAGTGGACAGTTTGAAGGACACCCAGGCCATTATTTTCTCCAGCCTCCATGGACCAC
 AGTCTTCAAGGAGAGAGAGTACCCTCACTTGAAGGGATTTGCTTCTACTACCACA
 GAAAACAAAATGGTACCATCGGTACCTTGGGAAAGAAATACTAAGAGAAACCCAGACAA
 TATCCTTGAGGTTCAAGGATCTGGAGAGTACAGATGCCAGGCCAGGGCTCCCCTCTCAG
 TAGCCCTGTGCACTTGGATTTTTCTTCACTTCCGCTGATCCTGCAAGCTCCACTTCTGT
 GTTTGAAGGAGACTCTGTGGTCTGAGGTGCCGGGCAAAGGCGGAAGTAACTGAATAA
 TACTATTTACAAGATGATAATGTCCTGGCATTCTTAATAAAAGAACTGACTTCCATAT
 TCCTCATGCATGTCTCAAGGACAATGGTGCATATCGCTGTACTGGATATAAGGAAAGTTG
 TTGCCCTGTTTCTTCAAATACAGTCAAAATCCAAGTCCAAGAGCCATTTACAGTCCAGT
 GCTGAGAGCCAGCTCCTTTCAGCCATCAGCGGAAACCCAGTACCCTGACCTGTGAGAC
 CCAGCTCTCTAGAGAGTCAAGTGTCCCGCTCCGGTCCGCTTCTTAGAGATGACCAGA
 CCTGGGATTAGGCTGNAGTCTCTCCCCGAATTTCCAGATACTGGCATGGTGAATTAAGA
 TTCAGGGGTCTACTGGTGAAGGCAGNAACAATGCCTAACACGGTCTATCTGACG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_031281 unedited NCATGNGGNGATGGCACTTCCCAGNCCAGNAAAGCACTGGGGCAGGGTCACAGGGCTG CCACCCGGGATCTGTTTCAGGAAACGCTATGACCGCGGCCCAATCTAGAGTCGACAAGCT TGATATCGGTACCAGATCTGAATTCGCCCTTCGCCATACAAAGCAGGAATCTGTGTGCG GAGTTTAGGAGCACCTGAGCTGTTAGGCCAGCCCGCATCTCCTGAAGGCCCACTCTCCC TTTGTGTGGTAAGACCCCTCTGTGGGGTGTGATGAGAGCAGTACTCAGAACAGCAACC ACAGCTGAAGCCCACTAAGGAATCCAGGAGATGTGCTGGGCCCTGGAGTGGGAGCACCTT GCCACTGGATTAATAAACCTGCCAGTCAGGGCTTTAACTGGGAAACAGGTGACAGTCCAG CAGGGCCCTGCATTCTGGTCAGACTGAGAATGAGGACATGTGAAACAAAGGCCAGTAGAT ATGGTCTGGGGCAGCCTAAATCTTCCCCTTCAATGCTGCTTCTCCCCAAGGGAACTT TGGGGTGCAGAGGCTGAAACAGCAGTTGGAGAGACGTGTGGACTCATCTGTGAGGAGCTG AGGAAGCCAAGAACAGGGATCCGAAACCGGGTTGACGCCACCTTAACTTCAGAGTAGA TGATAGGGAAACCCTTGTCTGAGATGCCTGGGGTCCAGAGGCCACTGCATGTTTCTTTT TCTCTTGATGATCCGTACTTCTGAGTAAACCACATTTTCTCTCTAGGATTTGCATTAG TGTACACTGGTTGCAGCTCCTCCCAGGCTGGTACATTGTGATAGGTGGGGCTCTTGAA GTCCGAGTCTGAAGGCTCCT
Restriction Sites:	Please inquire
ACCN:	NM_031281
Insert Size:	3400 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).
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:	<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_031281.1 , NP_112571.1
RefSeq Size:	5392 bp
RefSeq ORF:	2934 bp
Locus ID:	83416
UniProt ID:	Q96RD9
Cytogenetics:	1q23.1

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the immunoglobulin receptor superfamily and the Fc-receptor like family. This gene and several other Fc receptor-like gene members are clustered on the long arm of chromosome 1. The encoded protein is a single-pass type I membrane protein and contains 8 immunoglobulin-like C2-type domains. This gene is implicated in B cell development and lymphomagenesis. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Sep 2010]
Transcript Variant: This variant (1) encodes the dominant 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.