

Product datasheet for **SC110006**

IEX1 (IER3) (NM_003897) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IEX1 (IER3) (NM_003897) Human Untagged Clone
Tag:	Tag Free
Symbol:	IEX1
Synonyms:	DIF-2; DIF2; GLY96; IEX-1; IEX-1L; IEX1; PRG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003897, the custom clone sequence may differ by one or more nucleotides

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ATGTGTCACTCTCGCAGCTGCCACCCGACCATGACCATCCTGCAGGCCCGACCCCGCCCCCTCCACCA  
TCCCGGGACCCCGCGGGGCTCCGGTCCTGAGATCTTCACCTTCGACCCTCTCCCGGAGCCCGCAGCGGC  
CCCTGCCGGGCGCCCCAGCGCCTCTCGCGGGCACCGAAAGCGCAGCCGCAGGGTTCTTACCCTCGAGTG  
GTCCGGCGCCAGCTGCCAGTCGAGGAACCGAACCCAGCCAAAAGGCTTCTTTTCTGCTGCTCACCATCG  
TCTTCTGCCAGATCCTGATGGCTGAAGAGGGTGTGCCGGCGCCCTGCCTCCAGAGGACGCCCTAACGC  
CGCATCCCTGGCGCCACCCCTGTGTCCGCGTCTCGAGCCCTTAATCTGACTTCGGAGCCCTCGGAC  
TACGCTCTGGACCTCAGCACTTCTCCAGCAACACCCGGCCGCTTCTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003897 unedited
 GATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGCTCACCATGTGTCACTC
 TCGCAGCTGCCACCCGACCATGACCATCCTGCAGGCCCGACCCCGGCCCTCCACCAT
 CCCGGGACCCCGGGGGCTCCGGTCTGAGATCTTACCTTCGACCCTCTCCGGAGCC
 CGCAGCGGCCCTGCCGGGCGCCACAGCGCTCTCGGGGCACCGAAAGCGCAGCCGAG
 GGTCTCTACCCTCGAGTGGTCCGGCGCCAGCTGCCAGTCGAGGAACCGAACCCAGCCAA
 AAGGCTTCTCTTTCTGTGCTCACCATCGTCTTCTGCCAGATCCTGATGGCTGAAGAGGG
 TGTGCCGGCGCCCTGCCTCCAGAGGACGCCCTAACGCCGATCCCTGGCGCCACCC
 TGTGTCCGCGTCTCGAGCCCTTAATCTGACTTCGGAGCCCTCGGACTACGCTCTGGA
 CCTCAGCACTTCTCCAGCAACACCCGGCCGCTTCTAACTGTGACTCCCGCACTCCC
 CAAAAAGAATCCGAAAAACCACAAAGAACACCAGGCGTACCTGGTGCAGGAGAGCGTAT
 CCNCAACTGGGACTTCCGAGGCAACTTGAACCTCAGAACACTACAGCGGAGACGCCACCCG
 GTGCTTGAGGCGGACCGANGCGCACAGAGACCGANGCGCATAGAGACCGAGGCACAGCC
 CAGCTGGGGCTANNGCCCGTGGGAAGGAGAGCGTCNNTAAATTTCTTATGGCTCCTA
 AATTATATTATATGTATTTATGTACGCTCCTCCCTAGTGATGGNAGATGTGTACGTAATAT
 TTATTTAACTATGCAGGGNTGTGAGAGTCCCCCTGCTGTAATGCAGTCTCTGGTAT
 TAATGAGCTTGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003897 unedited
 GCGGCACGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTGGACAGTAAATCAATTTTAT
 TTGTGTTACAGAACATACTAGGCGATCTCGACAGTCGCTCCGTGACAGCCACCAACCC
 CCAACCTCTACCTCGCAGCCACCCTAAAGGCGACTTCAAGAAGATGGAAGGATCTCACG
 GATCTCATTCTAATGGTCCGCCAAGTCTCACACAGTAGACAGACGGAGTTGAGATGCT
 GGAGGATGCAGTACCTCCTAACTTACGACCCACCACCAGACTTCATCCAGCCGGGAC
 GTCTCCCCACCCGAGTCTCCCATTTCTTCTCTACTTTGCCGCAAGTCCAGGTGTC
 CTGCTTCCACCAGTCCCACAAAGCTCAATAAATACCAAGAGACCTGCATTTACAGCAGGG
 GGAACATCTCACACCCTTGATAAGTTAAAATAAATATTACGTACACATCTCCATCACCT
 AGGAGGACGTACATAAATACATAAATAAATAATTAGGAGCAATAAGAAATAAATTAACG
 ACGCTCTCCTTCCACCCGGGCTAGCCCCAGCTGGGCTGTGCCTCGGTCTCTATGCGCT
 CGGTCTCTGTGCGCTCGGTCCCGCCTCAAGCACCGGGTGGCGTCTCCGTGTAATGTTT
 TGAGTTCAAGTTGCCTCACAAGTCCAGTTGGGGATACGCTCTCGCGCACCAAGTACGCC
 CGGAGTTTCTTTGAAGCTTTTCCGATTCTTTTGGGGAGTGCGGGAGTACAGTTATAA
 AGCGGCCCGGTGTGTCTGGAAGAAAGTCTGAAGCCATAGCGTATCCCGAGGGCTCCC
 GAATCAGATTAAGGGCTCGAGAACGCGGCACCAAGGGTGGGCGCCACGGATGCCGCGTT
 AAGGGCGCCCTTTGAAGAAGGGCGCCCGCCACCCTCTCACCTCAGGATCTGCATAA
 TACAATGGGAGCACCCAAGAGACC

Restriction Sites:

NotI-NotI

ACCN:

NM_003897

Insert Size:

1300 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_003897.2 , NP_003888.1
RefSeq Size:	1236 bp
RefSeq ORF:	471 bp
Locus ID:	8870
UniProt ID:	P46695
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene functions in the protection of cells from Fas- or tumor necrosis factor type alpha-induced apoptosis. Partially degraded and unspliced transcripts are found after virus infection in vitro, but these transcripts are not found in vivo and do not generate a valid protein. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (short) represents the shorter of the two variants. This variant lacks the 111 nt internal fragment of the coding region but maintains the same reading frame. The encoded protein lacks the additional 37 aa found in isofo</p>