

Product datasheet for SC114452

IER3IP1 (NM_016097) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IER3IP1 (NM_016097) Human Untagged Clone
Tag:	Tag Free
Symbol:	IER3IP1
Synonyms:	HSPC039; MEDS; PRO2309
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114452 sequence for NM_016097 edited (data generated by NextGen Sequencing)

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ATGGCCTTTACCCTGTACTCACTGCTGCAGGCAGCCCTGCTCTGCGTCAACGCCATCGCA
GTGCTGCACGAGGAGCGATTCTCAAGAACATTGGCTGGGGAACAGACCAGGGAATTGGT
GGATTTGGAGAAGAGCCGGGAATTAATCACAGCTAATGAACCTTATTCGATCTGTAAGA
ACCGTGATGAGAGTGCCATTGATAATAGTAAACTCAATTGCAATTGTGTTACTTTTATTA
TTTGGATGA
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Clone variation with respect to NM_016097.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_016097 unedited
TACTATGAGGNCGGCACGCGCAATTCGGCACGAGGCGGCCATGGCCTTTACCCTGTACT
CACTGCTGCAGGCAGCCCTGCTCTGCGTCAACGCCATCGCAGTGTGCACGAGGAGCGAT
TCCTCAAGAACATTGGCTGGGGAACAGACCAGGGAATTGGTGGATTTGGAGAAGAGCCGG
GAATTAATCACAGCTTATGAACCTTATTCGATCTGTAAGAACCCTGATGAGAGTGCCAT
TGATAATAGTAAACTCAATTGCAATTGTGTTACTTTTATTATTTGGATGAAAATCAGTGG
AGAAAATGGAGACTCAGAAGAGGACATGCCAGTAGAAGTTACTTTGGTCATTATTGG
AATATTTATATCTTAGCTGGCTGACCTTGCACTTGTCAAAAATGTAAGCTGAAAATAAA
ACCAGGGTTTCTATTTATCTGTTTTTTTTTTTAAATGTTGCACTGTAGTTTCATTACAAA
AGATCAGATCATGAAAGGCACTAATCTCCAGGACTGGAATATCTGATTGCTCAGTGTTA
ATAGTAGTTATGCTGTGGTGAGATTGTTAAAAGGGTGCAAGACTGTTGCTTCTCTTTTT
TTAGATATTTTTCTATCTCTCACTTCTCAGGGATGAAATTTCTTTTTCAAAGTTTTGAAGT
TCCTTGCAACTTAGCCATGATGTGAGTGGTTATCCCTAGATAAAATTAANAGGATTTTTA
ANAAGTAATTACTGCACATAAAATGATAAATAGGTAATTTGAATAATTTATTTAAGCT
CCTTGGGTAATTANNTTGTCTATTGGCTCAGCTATNAATTCATTTATACATACTATTG
AGTATTATATTCTGATTTTCGGGAGAATTCTGTCAGTCCATGATGATTATGTTTTGTTT
AA
```



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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016097 unedited
GGCCGCAATCTAGAGTCGAGTT
TTTTTTTTTTTGACTTAAAAATTTAACTTTTTTACAAAAGGTCTCCTATAAACAAAAAT
GCCCTTCTACCCCTTTAAAAATATTGGAAGTGGTAATTTCCATAAAAAACCATTTACATAGT
TTCAACCTTTTTGGATAAAACTGGTTTATGAAATAGGCAAACAATCTCACAAAAAGGGCT
GGGACCTAAAAACAAAAGACAACCTTTCCCGCATCAATGGCCTATTGGCAAACCTCAATGA
AAAATAAAAATCACCTCCACAATGGGCTGGTCCACCAAAAAATAAAAATGGAATGGTT
TTTTGAAAGGAAATGCTTCCACAATAAACAGTCTTCTTGGGGAGAACAGGGGAATTGGGA
TTGGTTAAGACTGGTCTTGGGGGCTAATTTTACCCTGGGGGTTTTTTTAAACATCATT
GGAAAAAGGGCAGACTTATAAATTTTTCTGACAATGAAAATCTGGAAACTGGGCTGGG
CTCATCATTAGGCAAATTAATAAATAACCAGGGCCTGGAAAGAATGGTAAACAAAAAC
CTAATCCTCATGGGACTGGCAGAATTTCCCGGAATCAGAGAATTAATACCCAATAG
GATGGATAAAATTTGGATTATAGCTGGGACAATTGACAAAATAATTAACCAGGAGCTTA
AAATAAATTATCAAATTACCTATTTATCATTATTTATGTGCAGGAATTACCTTTTTAAAAAT
CCCTTTTTTTTTTCTAAGGGATACCCCTCACATATGGCTAAGTGGCAAGGACCTCAAAC
TTTGAAAAGGATTCTCCCTGGGGAAGGAGAGTAGNNAATTCTAAAAAAGGAAGCACAGT
CTTGACCCTTTTACAATTTCCCGCTGGACTCTATTACTGACATCAGTATTCAGCCTG
GAAGTACTGCTTTATGAAT

Restriction Sites: NotI-NotI

ACCN: NM_016097

Insert Size: 1420 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_016097.2](#), [NP_057181.1](#)
RefSeq Size: 1460 bp

RefSeq ORF: 249 bp

Locus ID: 51124

UniProt ID: [Q9Y5U9](#)
Cytogenetics: 18q21.1

Protein Families: Transmembrane

Gene Summary:

This gene encodes a small protein that is localized to the endoplasmic reticulum (ER) and may play a role in the ER stress response by mediating cell differentiation and apoptosis. Transcription of this gene is regulated by tumor necrosis factor alpha and specificity protein 1 (Sp1). Mutations in this gene may play a role in microcephaly, epilepsy, and diabetes syndrome (MEDS), and a pseudogene of this gene is located on the long arm of chromosome 12. [provided by RefSeq, Dec 2011]