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Product datasheet for SC115085

IL1RAPL1 (NM_014271) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL1RAPL1 (NM_014271) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL1RAPL1
Synonyms:	IL-1-RAPL-1; IL-1RAPL-1; IL1R8; IL1RAPL; IL1RAPL-1; MRX10; MRX21; MRX34; OPHN4; TIGIRR-2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_014271, the custom clone sequence may differ by one or more nucleotides

ATGAAAGCTCCGATTCCACACTTGATTCTCTTATACGCTACTTTTACTCAGAGTTTGAAGGTTGTGACCA
AAAGAGGCTCCGCCGATGGATGCACTGACTGGTCTATCGATATCAAGAAATATCAAGTTTTGGTGGGAGA
GCCTGTTCGAATCAAATGTGCACTCTTTTATGGTTATATCAGAACAAATTACTCCCTTGCCCAAAGTGCT
GGACTCAGTTTGATGTGGTACAAAAGTTCTGGTCCTGGAGACTTTGAAGAGCCAATAGCCTTTGACGGAA
GTAGAATGAGCAAAGAAGAAGACTCCATTTGGTTCCGGCCAACATTGCTACAGGACAGTGGTCTCTACGC
CTGTGTCATCAGAAACTCCACTTACTGTATGAAAGTATCCATCTCACTGACAGTGGGTGAAAATGACACT
GGACTCTGCTATAATTCCAAGATGAAGTATTTTGAAAAAGCTGAACTTAGCAAAAGCAAGGAAATTTCAT
GCCGTGACATAGAGGATTTTCTACTGCCAACCAGAGAACCTGAAATCCTTTGGTACAAGGAATGCAGGAC
AAAAACATGGAGGCCAAGTATTGTATTCAAAAGAGATACTCTGCTTATAAGAGAAGTCAGAGAAGATGAC
ATTGGAAATTATACCTGTGAATTAAAATATGGAGGCTTTGTTGTGAGAAGAACTACTGAATTAACTGTTA
CAGCCCCTCTGACTGATAAGCCACCCAAGCTTTTGTATCCTATGGAAAGTAAACTGACAATTCAGGAGAC
CCAGCTGGGTGACTCTGCTAATCTAACCTGCAGAGCTTTCTTTGGGTACAGCGGAGATGTCAGTCCTTTA
ATTTACTGGATGAAAGGAGAAAAATTTATTGAAGATCTGGATGAAAATCGAGTTTGGGAAAGTGACATTA
GAATTCTTAAGGAGCATCTTGGGGAACAGGAAGTTTCCATCTCATTAATTGTGGACTCTGTGGAAGAAGG
TGACTTGGGAAATTACTCCTGTTATGTTGAAAATGGAAATGGACGTCGACACGCCAGCGTTCTCCTTCAT
AAACGAGAGCTAATGTACACAGTGGAACTTGCTGGAGGCCTTGGTGCTATACTCTTGCTGCTTGTATGTT
TGGTGACCATCTACAAGTGTTACAAGATAGAAATCATGCTCTTCTACAGGAATCATTTTGGAGCTGAAGA
GCTCGATGGAGACAATAAAGATTATGATGCATACTTATCATACACCAAAGTGGATCCTGACCAGTGGAAT
CAAGAGACTGGGGAAGAAGAACGTTTTGCCCTTGAAATCCTACCTGATATGCTTGAAAAGCATTATGGAT
ATAAGTTGTTTATACCAGATAGAGATTTAATCCCAACTGGAACATACATTGAAGATGTGGCAAGATGTGT
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TAAATGGCATGGACCAAAATGCAACAAGTTGAACTCCAAGTTCTGGAAACGTTTACAGTATGAAATGCCT
TTTAAGAGGATAGAACCCATTACACATGAGCAGGCTTTAGATGTCAGTGAGCAAGGGCCTTTTGGGGAGC
TGCAGACTGTCTCGGCCATTTCCATGGCCGCGGCCACCTCCACAGCTCTAGCCACTGCCCATCCAGATCT
CCGTTCTACCTTTCACAACACGTACCATTCACAAATGCGTCAGAAACACTACTACCGAAGCTATGAGTAC
GACGTACCTCCTACCGGCACCCTGCCTCTTACCTCCATAGGCAATCAGCATACCTACTGTAACATCCCTA
TGACACTCATCAACGGGCAGCGGCCACAGACAAAATCGAGCAGGGAGCAGAATCCAGATGAGGCCCACAC
AAACAGTGCCATCCTGCCGCTGTTGCCAAGGGAGACCAGTATATCCAGTGTGATATGGTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014271 unedited
TACGACTTACTATAGGGCGGCCGCGAATTCGGCACGAGGTGGAATTATCTGCTTTTATGG
TGAACTTGGCATTTGTGAATGGGAATCTTGTTCACAATATTAATTGCTAGCAAAAACAAG
AAAAAGAACACAGGAGTAAAACGTGGATTTTTCTGAATACGCATTGTGATGACCAGCAAT
TACCTTACCGACTAATATCCAGAGGAGAATAATTTGGAAGACTGTTGTGGGGAACGGCCT
TTAAGAGCTGGAAGATGAAAGCTCCGATTCCACACTTGATTCTCTTATACGCTACTTTTA
CTCAGAGTTTGAAGGTTGTGACCAAAAGAGGCTCCGCCGATGGATGCACTGACTGGTCTA
TCGATATCAAGAAATATCAAGTTTTGGTGGGAGAGCCTGTTCGAATCAAATGTGCACTCT
TTTATGGTTATATCAGAACAAATTACTCCCTTGCCCAAAGTGCTGGACTCAGTTTGATGT
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TGAGCAAAGAAGAAGACTCCATTTGGTTCCGGCCAACATTGCTACAGGACAGTGGTCTCT
ACGCCTGTGTCATCAGAAACTCCACTTACTGTATGANAGTATCCATCTCACTGACAGTGG
GTGAAAATGACACTGGACTCTGCTATAATTCCAAGATGAAGTATTTTGAAAAAGCTGAAC
TTAGCANAAGCAAGGAAATTTCATGCCGTGACATAGAGGATTTTCTACTGGCCAACCAGA
GACCTNGNAATNNCTTTGGGTACAGGGAATGCANNGACANAAACATGGNAGGCCCAAGTA
TTGTATTCAAAANGAGATACTCTGCTTATNAGAGAAGTCAGAGAAGATGACATTGGAANA
TATACCTGTGAATTAATATGGAGGGGCTTGTGTGAGAGAACTACTGATNACTGTTCAGNC
CTCTGACTGATAGCACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014271 unedited
TTTATGGACCCGCGGCCGCAATCTAGNGTCGAGTTTTTTTTTTTTTTTTTTTTTTCCC
CCGAAGGCAATGCTGGCATTTGTTGCACTGTTCTCTGAAGGCCGACGTGGCCCAGTTGAT
GCTAGGCAGAACCCGAGAAAGAATCCGGTGCTCCTTGTCCCATCGGATAGATTTGTCCAA
GCACCCCAAGGAAATGTTAAAAGCAAAGTAAAATTTTAAAAAAGGAAATAAAATAAAAAC
CCATTCTAAAACTAAACTAATGAAGCAAAAAAAGGGTTTTCTATCTACACATCAGTCTCT
TCTTTAAAAAAAATGTAAATTTACAAATTCCAACGACATATAAAACAAAGTCAAAAAATG
TAATGGTAAAAGACATGGTAAAACAGGGAGACACTGATGCTACAAAGAAATTCCAAAAAC
ATATGTACAAGACCCTGTTTTTCTCGTGTCTAGAGATTCTATGCATGTTTTTTACCGCAA
CAGTCGAGGATTAGTTCCAGCCCTGGACTGCAGATTCCATCACCCTCCAGGGCGGAATGT
CCTTGCTTTTTGGCCATTATCCACTGAAATCCTGGCCTCCTTGCCACAGCGCAGGATGGA
CTGTTTGTGGGGCCTCACCGGGATCTGGTCCCGGCTGATTTGTCTGGGGCCCTGCCCTTT
GAGAGTGCAAGGGGTGTTCCGAGGGTTCCCTATTCCCTTGGAGTAAAAGCAGGGTCCCCG
TGGGAGGACCCCCACCCATAACTTCGGGAAGGGGTTTTTAGCCCTTTTGAAAGGGACCTT
TTGAAAAGGTAAACGGAATTCGTGGGGGAAGGGCTAAACTTGGGGGGGGCCCCGCCCCCT
GAAAGGGCCAAAAATTTGGATTCCCAAAGGGCCTGTGCCAGGAGGTTAAGCGGGGCGTGG
ATAGGGGGTA

Restriction Sites: NotI-NotI

ACCN: NM_014271

Insert Size: 3000 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_014271.2, NP_055086.1
RefSeq Size:	3624 bp
RefSeq ORF:	2091 bp
Locus ID:	11141
UniProt ID:	Q9NZN1
Cytogenetics:	Xp21.3-p21.2
Domains:	TIR, ig, IGc2, IG
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene is a member of the interleukin 1 receptor family and is similar to the interleukin 1 accessory proteins. This protein has an N-terminal signal peptide, three extracellular immunoglobulin Ig-like domains, a transmembrane domain, an intracellular Toll/IL-1R domain, and a long C-terminal tail which interacts with multiple signalling molecules. This gene is located at a region on chromosome X that is associated with a non-syndromic form of X-linked intellectual disability. Deletions and mutations in this gene were found in patients with intellectual disability. This gene is expressed at a high level in post-natal brain structures involved in the hippocampal memory system, which suggests a specialized role in the physiological processes underlying memory and learning abilities, and plays a role in synapse formation and stabilization. [provided by RefSeq, Jul 2017]