

Product datasheet for SC119133

IL13 receptor alpha 1 (IL13RA1) (NM_001560) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL13 receptor alpha 1 (IL13RA1) (NM_001560) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL13 receptor alpha 1
Synonyms:	CD213A1; CT19; IL-13Ra; NR4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001560 edited
 ATGGAGTGGCCGGCGCGGCTCTGCGGGCTGTGGGCGCTGCTGCTGCGCCGGCGGGGG
 GGCGGGGGCGGGGGCGCGCCCTACGGAACTCAGCCACTGTGACAAATTTGAGTGTC
 TCTGTTGAAAACCTCTGCACAGTAATATGGACATGGAATCCACCCGAGGGAGCCAGCTCA
 AATTGTAGTCTATGGTATTTTAGTCATTTTGGGACAAACAAGATAAGAAAATAGCTCCG
 GAAACTCGTCGTTCAATAGAAGTACCCCTGAATGAGAGGATTTGTCTGCAAGTGGGGTCC
 CAGTGTAGCACCAATGAGAGTGAGAAGCCTAGCATTTTGGTTGAAAAATGCATCTCACCC
 CCAGAAGGTGATCCTGAGTCTGCTGTGACTGAGCTTCAATGCATTTGGCACAACCTGAGC
 TACATGAAGTGTCTTGGCTCCCTGGAAGGAATACCCAGTCCCGACACTAACTATACTCT
 CTACTATTGGCACAGAAGCCTGGAAAAATTCATCAATGTAAAAACATCTTTAGAGAAGG
 CCAATACTTTGGTTGTTCTTTGATCTGACCAAAGTGAAGGATCCAGTTTTGAACAACA
 CAGTGTCCAAATAATGGTCAAGGATAATGCAGGAAAAATTAACCATCCTTCAATATAGT
 GCCTTTAACTTCCCGTGTGAAACCTGATCCTCCACATATTAACCACTCTCCTTCCACAA
 TGATGACCTATATGTGCAATGGGAGAATCCACAGAATTTTATTAGCAGATGCCTATTTTA
 TGAAGTAGAAGTCAATAACAGCCAAACTGAGACACATAATGTTTTCTACGTCCAAGAGGC
 TAAATGTGAGAATCCAGAATTTGAGAGAAATGTGGAGAATACATCTTGTTTCATGGTCCC
 TGGTGTCTTCTGATACTTTGAACACAGTCAGAATAAGAGTCAAACAAATAAGTTATG
 CTATGAGGATGACAACTCTGGAGTAATTGGAGCCAAGAAATGAGTATAGGTAAGAAGCC
 CAATCCACACTCTACATAACCATGTTACTCATTGTTCCAGTCATCGTCGAGGTGCAAT
 CATAGTACTCCTGCTTTACCTAAAAAGGCTCAAGATTATTATATCCCTCCAATTCCTGA
 TCCTGGCAAGATTTTTAAAGAAATGTTTGGAGACCAGAATGATGATACTCTGCACTGGAA
 GAAGTACGACATCTATGAGAAGCAAACCAAGGAGGAAACCGACTCTGTAGTGCTGATAGA
 AAACCTGAAGAAAGCCTCTCAGTGA



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001560 unedited
 GGAAACGGGGCAAATTTTGTATACGACTCATATAGGCGGGCCGNAATTCGCACGAGGCC
 AAGGCTCCAGCCCAGGGCCGGGCTCCGAGGCGAGAGGCTGCATGGAGTGGCCGGCGCGGCTC
 TGCGGGCTGTGGGCGCTGCTGCTCTGCGCCGGCGGGGGCGGGGGCGGGGGCGCCGCG
 CCTACGGAAACTCAGCCACCTGTGACAAATTTGAGTGTCTCTGTTGAAAACCTCTGCACA
 GTAATATGGACATGGAATCCACCCGAGGGAGCCAGCTCAAATTTAGTCTATGGTATTTT
 AGTCATTTTGGCGACAAACAAGATAAGAAAATAGCTCCGAAAACCTCGTCGTTCAATAGAA
 GTACCCCTGAATGAGAGGATTTGTCTGCAAGTGGGGTCCCAAGTGTAGCACCAATGAGAGT
 GAGAAGCCTAGCATTTTGGTTGAAAAATGCATCTCACCCCAAGAAGGTGATCCTGAGTCT
 GCTGTGACTGAGCTTCAATGCATTTGGCACAACCTGAGCTACATGAAGTGTCTTGGCTC
 CCTGGAAGGAATACCAGTCCCGACACTAACTATACTCTACTATTGGCACAGAAGCCTG
 GAAAAAATTCATCAATGTGAAAACATCTTTAGAGAAGGCCAATACTTTGGTTGTTCCTTT
 GATCTGACCAAAGTGAAGGATCCAGTTTTGAACAACACAGTGTCCAAATATGGTCAAG
 GATAATGCANGAAAAATTAACCATCCTTCAATATAGTGCCTTTAACTTCCCGTGTGAAA
 CCTGATCTCCACATATTAACCACTCTCCTTCCACAATGATGACCTATATGTGCAATGG
 GGAGATCCACAGAATTTTATTAGCAGATGCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001560 unedited
 CGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTGTACATACAAAAGACAATATTTATT
 TTAAGTCAAGCTTTCTATAAGAAGTTAAACAGAAAACAATCCCTGGTTGAAGACTACCAAA
 AATGTTAACATTGTTTCCATATCCCTCAGTGCCAGATGAAGGGAAAACTTAACTGA
 ACGAAAAGATAAGAATTACCATCCTGACACTGGGTTTGTAAAGTATGTTAGGAAAAAT
 CCACATAGGCTAGACCTAAAACAGTAAATGAGCCTACTAATTTCCACAGGGGATGGGAA
 ATCCACTGATACAGACACCTCCAAGAGCTCCAAGACCTAGGGATCACAACCACCACAGG
 TATTTCCATAACTTCCTTTCCCTCCCTTTTCCCTCAGCTATTTACTGCTAAAAGAAGA
 GGATGGGAACAAAAGATCACTTCCCCTCCCAGACTGCATGACTGTCAGCATCAATGTT
 TGTTGGGAATTTACAGCATCCTTTCATGGCCATCTAAATAGGATAACAGTAAAAATGG
 CTAGGGGGAGGCATGGGTTTTGCTTCCAGAAATATAAAATACCTGGAAGGAATTAATC
 TCATTCTATACAGGAAAACCAATATTTCTTTCTAGAGAACAGCAGAACAAAGTAGAACA
 TCTACTACGGCTGTCTCCAGCCTCAATCTGACTTCAAGAATAACTTTACATCTGCCATT
 GTCATGAACCCAGCTTCCCTCAGAGAAGCCAGGGCACCATGCTTCTACACGGNCATGGAA
 GCATGNTGCCACTTNGTACCAAACCTGTAGAGAGTGAGGTTCTTATCTNCCCTCCCTAG
 AGCAGATTGCAATAGCTCATGGACTATATGATTGGNAAGCTTGACACCTGAAATAAGTCT
 CAAGTTCTACAGTATATGATCTGGTGTGAGGAAGAATGGGCGGGGNAATGCTCTCATTCC
 ATCTNCTTANTNGNGNATAGAGTNAGGGATTTN

Restriction Sites:

NotI-NotI

ACCN:

NM_001560

Insert Size:

4000 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>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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_001560.2 , NP_001551.1
RefSeq Size:	4006 bp
RefSeq ORF:	1284 bp
Locus ID:	3597
UniProt ID:	P78552
Cytogenetics:	Xq24
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
Gene Summary:	<p>The protein encoded by this gene is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4. [provided by RefSeq, Jul 2008]</p>