

Product datasheet for **RC207672**

IL13 receptor alpha 2 (IL13RA2) (NM_000640) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: IL13 receptor alpha 2

Synonyms: CD213A2; CT19; IL-13R; IL13BP

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC207672 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTTCGTTTGCTTGGCTATCGGATGCTTATATACCTTTCTGATAAGCACAAACATTTGGCTGTACTT
 CATCTTCAGACACCGAGATAAAAGTTAACCTCCTCAGGATTTTGAGATAGTGGATCCCGGATACCTTAGG
 TTATCTCTATTTGCAATGGCAACCCCACTGTCTCTGGATCATTTTAAGGAATGCACAGTGGAAATATGAA
 CTAATAACCGAAACATTGGTAGTGAACATGGAAGACCATCATTACTAAGAATCTACATTACAAAGATG
 GGTTTGATCTTAACAAGGCATTGAAGCGAAGATACACACGCTTTTACCATGGCAATGCACAAATGGATC
 AGAAGTTCAAAGTTCCTGGGCAGAACTACTTATTGGATATCACCACAAGGAATCCAGAACTAAAGTT
 CAGGATATGGATTGCGTATATTACAATTGGCAATATTTACTCTGTTCTTGAAACCTGGCATAGGTGTAC
 TTCTTGATACCAATTACAATTGTTTTACTGGTATGAGGGCTGGATCATGCATTACAGTGTGTTGATTA
 CATCAAGGCTGATGGACAAAATATAGGATGCAGATTTCCCTATTTGGAGGCATCAGACTATAAAGATTTT
 TATATTTGTGTTAATGGATCATCAGAGAACAAGCCTATCAGATCCAGTTATTTCACTTTTCAGCTTCAAA
 ATATAGTTAAACCTTTGCCGCCAGTCTATCTTACTTTTACTCGGGAGAGTTCATGTGAAATTAAGCTGAA
 ATGGAGCATACCTTTGGGACCTATTCCAGCAAGGTGTTTTGATTATGAAATTGAGATCAGAGAAGATGAT
 ACTACCTTGGTGACTGCTACAGTTGAAAATGAAACATACACCTTGAAAACAACAAATGAAACCCGACAAT
 TATGCTTTGTAGTAAGAAGCAAAGTGAATATTTATGCTCAGATGACGGAATTTGGAGTGAGTGGAGTGA
 TAAACAATGCTGGGAAGGTGAAGACCTATCGAAGAAAACCTTTGCTACGTTTCTGGCTACCATTTGTTTTC
 ATCTTAATATTAGTTATATTTGTAACCGGTCTGCTTTTGCCTAAGCCAAACACCTACCCAAAAATGATTC
 CAGAATTTTCTGTGATACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC207672 protein sequence
 Red=Cloning site Green=Tags(s)

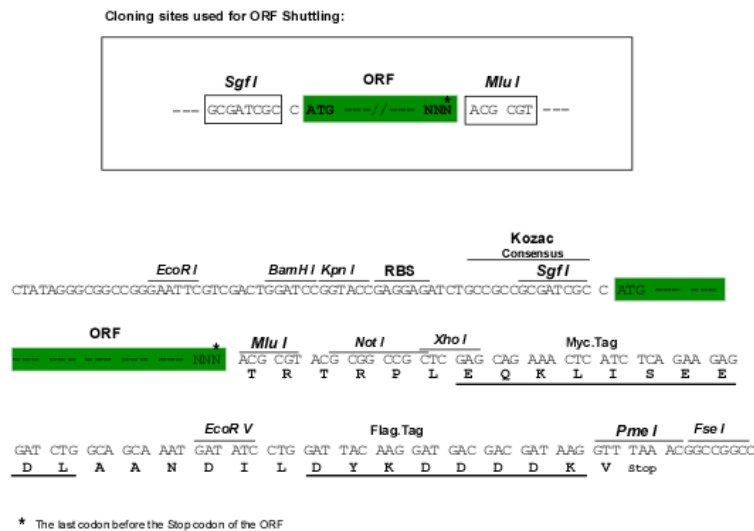
MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYE
 LKYRNIGSETWKTIITKNLHYKDGFDLNGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPGIPETKV
 QDMDCVYNNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEASDYKDF
 YICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLWSIPLGPIPARCFDYEIEIREDD
 TTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEWSKQCEGEDLSKKTLLRFLWLPFGF
 ILILVIFVTGLLLRKPNTYPKMIPEFFCDT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6235_g03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_000640

ORF Size: 1140 bp

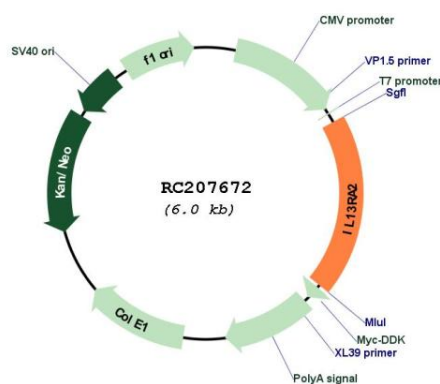
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

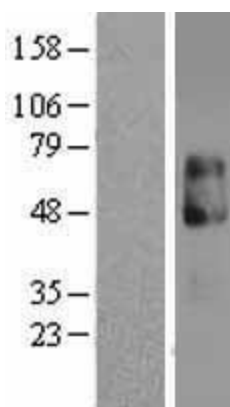
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_000640.3</u>
RefSeq Size:	1376 bp
RefSeq ORF:	1143 bp
Locus ID:	3598
UniProt ID:	<u>Q14627</u>
Cytogenetics:	Xq23
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Jak-STAT signaling pathway
MW:	44.2 kDa
Gene Summary:	The protein encoded by this gene is closely related to IL13RA1, a subunit of the interleukin 13 receptor complex. This protein binds IL13 with high affinity, but lacks cytoplasmic domain, and does not appear to function as a signal mediator. It is reported to play a role in the internalization of IL13. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC207672



Western blot validation of overexpression lysate (Cat# [LY424589]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207672 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).