

Product datasheet for RC238121

IL20 Receptor alpha (IL20RA) (NM_001278724) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL20 Receptor alpha (IL20RA) (NM_001278724) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL20 Receptor alpha
Synonyms:	CRF2-8; IL-20R-alpha; IL-20R1; IL-20RA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC238121 representing NM_001278724 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTACAATGGACTCCACCAGAGGGTCTTCAAGGAGTTAAAGTTACTTACACTGTGCAGTATTTTCAT
CTCCAGAGAAGTGAAGAGAAAATCCAGAAGACCTTCTGTTTCCATGCAACAAATATACTCCAATCTGAA
GTATAACGTGTCTGTGTTGAATACTAAATCAAACAGAACGTGGTCCCAGTGTGTGACCAACCACACGCTG
GTGCTCACCTGGCTGGAGCCGAACACTCTTACTGCGTACACGTGGAGTCTTTCGTCGCCAGGGCCCCCTC
GCCGTGCTCAGCCTTCTGAGAAGCAGTGTGCCAGGACTTTGAAAGATCAATCATCAGAGTTCAAGGCTAA
AATCATCTTCTGGTATGTTTTGCCATATCTATTACCGTGTCTTTTTTCTGTGATGGGCTATTCCATC
TACCGATATATCCACGTTGGCAAAGAGAAAACCCAGCAAATTTGATTTTGATTTATGAAATGAATTTG
ACAAAAGATTCTTTGTGCTGCTGAAAAATCGTGATTAACCTTTATCACCTCAATATCTCGGATGATTC
TAAATTTCTCATCAGGATATGAGTTTACTGGGAAAAGCAGTGATGTATCCAGCCTTAATGATCCTCAG
CCCAGCGGAACCTGAGGCCCTCAGGAGGAAGAGGAGGTGAAACATTTAGGGTATGCTTCGATTTGA
TGGAAATTTTTGTGACTCTGAAGAAAACCGGAAGGTTCTCTCACCCAGCAAGAGTCCCTCAGCAG
ACAATAACCCCGATAAAAACAGTCATTGAATATGAATATGATGTCAGAACCCTGACATTTGTGCGGGG
CCTGAAGAGCAGGAGCTCAGTTTGACAGGAGGAGGTGCCACACAAGGAACATTATTGGAGTCGACGGCAG
CGTTGGCAGTCTTGGGCCGCAAACGTTACAGTACTCATACCCCTCAGCTCCAAGACTTAGACCCCT
GGCGCAGGAGCACACAGACTCGGAGGAGGGGCCGAGGAAGGCCATCGACGACCCTGGTCGACTGGGAT
CCCCAACTGGCAGGCTGTGATTCTTTCGCTGTCCAGCTTCGACCAGGATTCAGAGGGCTGCGAGCCTT
CTGAGGGGATGGGCTCGGAGAGGAGGGTCTTCTATCTAGACTCTATGAGGAGCCGGCTCCAGACAGGCC
ACCAGGAGAAAATGAAACCTATCTCATGCAATTCATGGAGGAATGGGGTTATATGTGCAGATGGAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC238121 representing NM_001278724
Red=Cloning site Green=Tags(s)

MSYNGLHQRVFKELKLLTLCSSISPEKWKRNPEDLPVSMQIYSNLKYNVSVLNTKSNRTWSQCVTNHTL
 VLTWLEPNTLYCVHVESFVPGPPRAQPSEKQCARTLKDQSSEFKAKIIFWYVLPISITVFLFSVMGYSI
 YRYIHVGKEKHPANLILYIGNEFDKRFVPAEKIVINFITLNISSDKISHQDMSLLGKSSDVSSLNDPQ
 PSGNLRPPQEEEEVKHLGYASHLMEIFCDSEENTEGLTSLTQQESLRTIPPDKTVIEYEYDVRTTIDICAG
 PEEQELSLQEEVSTQGTLLLESQAALAVLGPQTLQYSYTPQLQDLPLAQEHTDSEEGPEEPPSTTLVDWD
 PQTGRLCIPSLSSFDDQSEGCEPSEGDLGEEGLLSRLYEAPDRPPGENETYLMQFMEEWGLYQVMEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001278724

ORF Size: 1260 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: [NM_001278724.1](#), [NP_001265653.1](#)

RefSeq Size: 3456 bp

RefSeq ORF: 1263 bp

Locus ID: 53832

UniProt ID: [Q9UHF4](#)

Cytogenetics: 6q23.3

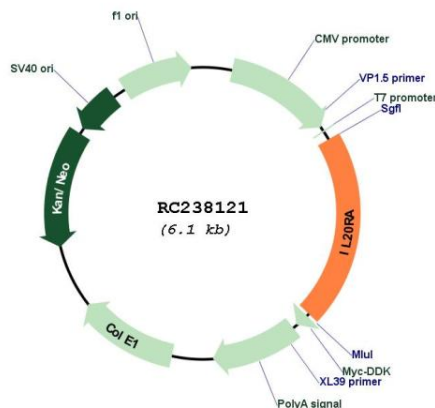
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

MW: 48.1 kDa

Gene Summary: This gene encodes a member of the type II cytokine receptor family. The encoded protein is a subunit of the receptor for interleukin 20, a cytokine that may be involved in epidermal function. The interleukin 20 receptor is a heterodimeric complex consisting of the encoded protein and interleukin 20 receptor beta. This gene and interleukin 20 receptor beta are highly expressed in skin, and are upregulated in psoriasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC238121