

Product datasheet for MR224415

II5ra (NM_008370) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: II5ra (NM_008370) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: II5ra
 Synonyms: CD125; CDw125; II5r
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR224415 representing NM_008370
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCCTGTACTAATTCTTGTGGGAGCTTTGGCAACTGCAAGCTGACTTACTTAATCACAAA
 AGTTTTACTTCTACCACCTGTCAATTTACCATTAAAGCCACTGGATTAGCTCAAGTCTTTTACTG
 GGACCCAAATCCTGACCAAGAGCAAAGGCATGTTGATCTAGAGTACACGTGAAAATAAATGCCCCACA
 GAAGACGAATATGATACCAGAAAGACTGAAAGCAAATGTGTGACCCCTTCATGAAGGCTTTCAGCTA
 GCGTGAGGACCATTCTGAAGAGCAGCCATACAACTCTGGCCAGCAGTTGGGTTTCTGCTGAAGTCAAAGC
 TCCACCAGGATCTCCTGGAACCTCGGTTACGAATTTAACTTGTACCACACACTGTTGTAAGTAGCCAC
 ACCCACTTAAGGCCATACCAAGTGTCCCTTCGTTGCACCTGGCTTGTGGGAAGGATGCCCTGAGGACA
 CACAGTATTTCTATACTACAGGTTTGGTGTGGTGGTACTGAAAAATGCCAAGAATACAGCAGAGATGCACT
 GAACAGAAATACTGCATGCTGGTTTCCCAGGACATTTATCAACAGCAAAGGGTTGAGCAGCTTGCTGTG
 CACATTAATGGCTCAAGCAAGCGTGTGCAATCAAGCCCTTTGATCAGCTGTTCCAGTCCACTTGCCATTG
 ACCAAGTGAATCCTCCAAGGAATGTCACAGTGGAAATGAAAGCAATTCTCTATATACAGTGGGAGAA
 ACCACTTTCTGCCTTTCCAGATCATTGCTTTAACTATGAGCTGAAAATTTACAACACAAAAAATGGTCAC
 ATTCAGAAGGAAAACTGATCGCCAATAAGTTCATCTCAAAAATTGATGATGTTTCTACATTTCCATT
 AAGTGAGAGCAGCTGTGAGCTCACCTTGCAGAATGCCAGGAAGGTGGGGCAGTGGAGTCAACCTATTTA
 TGTGGAAAGGAAAGGAAGTCCCTTGGTAGAATGGCATCTCATTGTGCTCCCAACAGCCGCTGCTTCGTC
 TTGTTAATCTTCTCACTCATCTGCAGAGTGTGTCATCTATGGACCAGGTTGTTTCCACCGGTTCCGGCCC
 CAAAGAGTAACATCAAAGATCTCCCTGTGGTACTGAATATGAGAAACCTTGAATGAAACCAAAATTGA
 AGTTGTACATTGTGTGGAAGAGGTTGGATTTGAAGTCATGGGAAATTCACGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224415 representing NM_008370
Red=Cloning site Green=Tags(s)

MVPVLLILV GALATLQADLLNHKKFLLLPPVNFTIKATGLAQVLLHWDPNPDQEQRHVDLEYHVKINAPQ
 EDEYDTRKTESKCVTPLHEGF AASVRTILKSSHTTLASSWVSAELKAPPGSPGTSVTNL TCTTHTVSSH
 THLRPYQVSLRCTLVVGKDAPEDTQYFLYYRFGVLTEKCQEYSRDALNRNTACWFPRTF INSKGFEQLAV
 HINGSSKRAAIKPFDFQLFSPLAIDQVNPVRNVTVEIESNSLYIQWEKPLSAFPDHCFNELKIYNTKNGH
 IQKEKLIANKFISKIDDVSTYSIQVRAAVSSPCRMPGRWGEWSQPIYVGKERKSLVEWHLIVLPTAACFV
 LLIFSLICRVCHLWTRLFPPVPAPKSNIKDLPVVTEYEKPSNETKIEVVHCV EEVGFVGMNSTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKVK

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_c10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008370

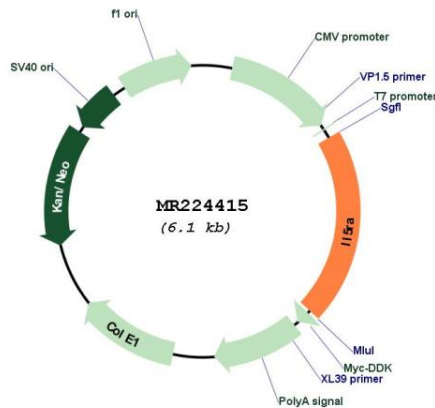
ORF Size: 1245 bp

OTI Disclaimer: 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.

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:	<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:	<u>NM_008370.2</u> , <u>NP_032396.1</u>
RefSeq Size:	3557 bp
RefSeq ORF:	1248 bp
Locus ID:	16192
UniProt ID:	<u>P21183</u>
Cytogenetics:	6 49.19 cM
MW:	47.4 kDa
Gene Summary:	This is the receptor for interleukin-5. The alpha chain binds to IL5.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224415