

Product datasheet for **MG224415**

II5ra (NM_008370) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	II5ra (NM_008370) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	II5ra
Synonyms:	CD125; CDw125; II5r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224415 representing NM_008370 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCCTGTACTAATTCTTGTGGGAGCTTTGGCAACTGCAAGCTGACTTACTTAATCACAAA
AGTTTTTACTTCTACCACCTGTCAATTTTACCATTAAAGCCACTGGATTAGCTCAAGTTCTTTTACTG
GGACCAAATCCTGACCAAGAGCAAAGGCATGTTGATCTAGAGTATCACGTGAAAATAAATGCCCCACAA
GAAGACGAATATGATACCAGAAAGACTGAAAGCAAATGTGTGACCCCTTCATGAAGGCTTTCAGCTA
GCGTGAGGACCATTCTGAAGAGCAGCCATACAACTCTGGCCAGCAGTTGGGTTTCTGCTGAAGTCAAAGC
TCCACCAGGATCTCCTGGAACCTCGGTTACGAATTTAACTTGTACCACACACTGTTGTAAGTAGCCAC
ACCCACTTAAGGCCATACCAAGTGTCCCTTCGTTGCACCTGGCTTGTGGGAAGGATGCCCTGAGGACA
CACAGTATTTCTATACTACAGGTTTGGTGTGTTTACTGAAAAATGCCAAGAATACAGCAGAGATGCACT
GAACAGAAATACTGCATGCTGGTTTCCAGGACATTTATCAACAGCAAAGGGTTTGAACAGCTTGTGTG
CACATTAATGGCTCAAGCAAGCGTGTGCAATCAAGCCCTTTGATCAGCTGTTCCAGTCCACTTGCCATTG
ACCAAGTGAATCCTCCAAGGAATGTCACAGTGGAAATGAAAGCAATCTCTATATACAGTGGGAGAA
ACCACTTTCTGCCTTTCCAGATCATTGCTTTAACTATGAGCTGAAAATTTACAACACAAAAAATGGTCAC
ATTCAGAAGGAAAACTGATCGCAATAAGTTTCATCTCAAAAATGATGATGTTTCTACATTTCCATT
AAGTGAGAGCAGCTGTGAGCTCACCTTGCAGAATGCCAGGAAGTGGGGCGAGTGGAGTCAACCTATTTA
TGTGGGAAAGGAAAGGAAGTCCCTTGGTAGAATGGCATCTCATTGTGCTCCCAACAGCTGCCTGCTTCGTC
TTGTTAATCTTCTCACTCATCTGCAGAGTGTGTCATTTATGGACCAGGTTGTTTCCACCGGTTCCGGCCC
CAAAGAGTAACATCAAAGATCTCCCTGTGGTACTGAATATGAGAAACCTTGAATGAAACCAAAATTTGA
AGTTGTACATTGTGTGGAAGAGGTTGGATTTGAAGTCATGGGAAATTCACGTTT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224415 representing NM_008370
Red=Cloning site Green=Tags(s)

MVPVLLILV GALATLQADLLNHKKFLLLPPVNFITIKATGLAQVLLHWDPNPDQEQRHVDLEYHVKINAPQ
 EDEYDTRKTESKCVTPLHEGFAASVRTILKSSHTTLASSWVSAELKAPPGSPGTSVTNLCTTHTVVSSH
 THLRPYQVSLRCTLVVGKDAPEDTQYFLYYRFGVLTEKCQEYSRDALNRNTACWFPRTFINSKGFEQLAV
 HINGSSKRAAIKPFDFLSPLAIDQVNPVRNVTVEIESNSLYIQWEKPLSAFPDHCNFYELKIYNTKNGH
 IQKEKLIANKFISKIDDVSTYSIQVRAAVSSPCRMPPGRWGEWSQPIYVGKERKSLVEWHLIVLPTAACFV
 LLIFSLICRVCHLWTRLFPPVPAPKSNIKDLPVVTEYEKPSNETKIEVVHCVVEEVGFVGMNSTF

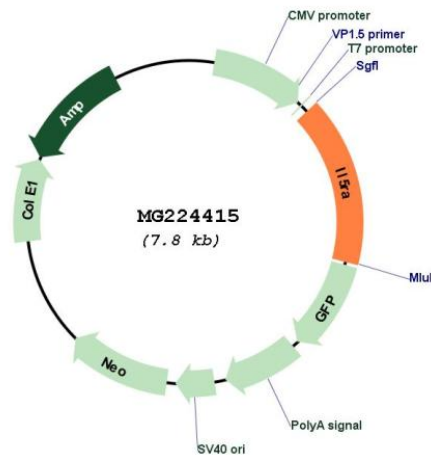
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008370

ORF Size:	1245 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:	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:	NM_008370.1
RefSeq Size:	3557 bp
RefSeq ORF:	1248 bp
Locus ID:	16192
UniProt ID:	P21183
Cytogenetics:	6 49.19 cM
Gene Summary:	This is the receptor for interleukin-5. The alpha chain binds to IL5.[UniProtKB/Swiss-Prot Function]