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Product datasheet for MG205982

Il13ra2 (NM_008356) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il13ra2 (NM_008356) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Il13ra2
Synonyms:	CD213a; CD213a2; IL-13R-alpha-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG205982 representing NM_008356
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTTTGTGCATATCAGATGCTTGTGTTTCATTCTTCTTTGTACAATAACTGGCTATTCTTTGGAGA
TAAAAGTTAATCCTCCTCAGGATTTTGAAATATTGGATCCTGGATTACTTGGTTATCTCTATTTGCAATG
GAAACCTCCTGTGGTTATAGAAAAATTTAAGGGCTGTACACTAGAATATGAGTTAAAATACCGAAATGTT
GATAGCGACAGCTGGAAGACTATAATTACTAGGAATCTAATTTACAAGGATGGGTTTGATCTTAATAAAG
GCATTGAAGGAAAGATACGTACGCATTTGTCAGAGCATTGTACAAATGGATCAGAAGTACAAAGTCCATG
GATAGAAGCTTCTTATGGGATATCAGATGAAGGAAGTTTGGAAACTAAAATTCAGGACATGAAGTGTATA
TATTATAACTGGCAGTATTTGGTCTGCTCTTGGAAACCTGGCAAGACAGTATATTCTGATACCAACTATA
CCATGTTTTTCTGGTATGAGGGCTTGGATCATGCCTTACAGTGTGCTGATTACCTCCAGCATGATGAAAA
AAATGTTGGATGCAAACTGTCCAACTTGGACTCATCAGACTATAAAGATTTTTTTATCTGTGTTAATGGA
TCTTCAAAGTTGGAACCCATCAGATCCAGCTATACAGTTTTTCAACTTCAAAATATAGTTAAACCATTGC
CACCAGAATTCCTTCATATTAGTGTGGAGAATTCCATTGATATTAGAATGAAATGGAGCACACCTGGAGG
ACCCATTCCACCAAGGTGTTACACTTATGAAATTGTGATCCGAGAAGACGATATTTCCTGGGAGTCTGCC
ACAGACAAAAACGATATGAAGTTGAAGAGGAGAGCAAATGAAAGTGAAGACCTATGCTTTTTTGTAAGAT
GTAAGGTCAATATATATTGTGCAGATGATGGAATTTGGAGCGAATGGAGTGAAGAGGAATGTTGGGAAGG
TTACACAGGGCCAGACTCAAAGATTATTTTCATAGTACCAGTTTGTCTTTTCTTTATATTCCTTTTGTTA
CTTCTTTGCCTTATTGTGGAGAAGGAAGAACCTGAACCCACATTGAGCCTCCATGTGGATCTGAACAAAG
AAGTGTGTGCTTATGAAGATACCCTCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

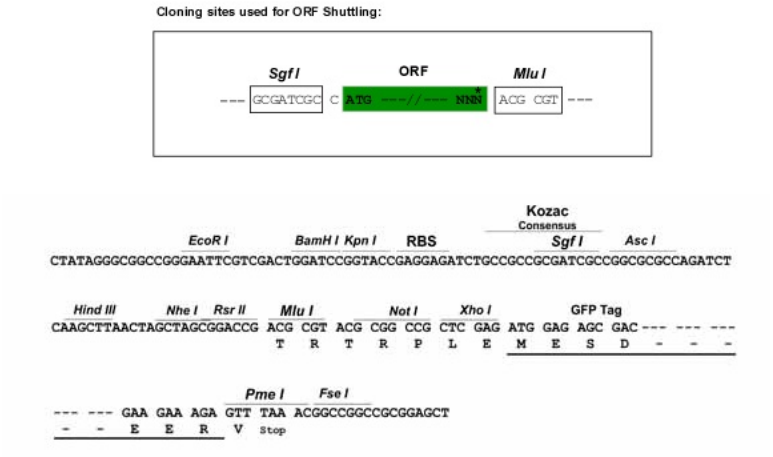
>MG205982 representing NM_008356
Red=Cloning site Green=Tags(s)

MAFVHIRCLCFILLCTITGYSLEIKVNPPQDFEILDPGLLGYLYLQWKPPVVIEKFKGCTLEYELKYRNV
DSDSWKTIITRNLIYKDGFDLNKGIEGKIRTHLSEHCTNGSEVQSPWIEASYGISDEGSLETKIQDMKCI
YYNWQYLVCSWKPGKTVYSDTNYTMFFWYEGLDHALQCADYLQHDEKNVGCKLSNLDSSDYKDFFICVNG
SSKLEPIRSSYTVFQLQNIVKPLPPEFLHISVENSIDIRMKWSTPGGPIPPRCYTYEIVIREDDISWESA
TDKNDMKLKRRANESEDLCFFVRCKVNIYCADDGIWSEWSEEECWEGYTGPDSKIIFIVPVCLFFIFLLL
LLCLIVEKEEPEPTLSLHVDLNKEVCAYEDTLC

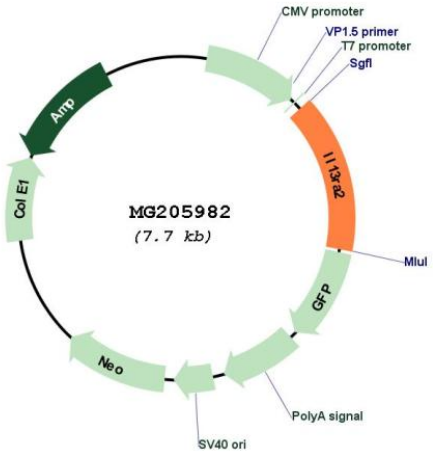
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008356

ORF Size:	1149 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.
RefSeq:	NM_008356.4
RefSeq Size:	1567 bp
RefSeq ORF:	1152 bp
Locus ID:	16165
UniProt ID:	O88786
Cytogenetics:	X 68.46 cM
Gene Summary:	This gene encodes a receptor protein that binds to interleukin 13 (IL-13) with very high affinity. The encoded protein acts as a decoy receptor, and does not elicit any signal upon the binding of IL-13. Mice lacking the encoded protein exhibit increased levels of serum immunoglobulins, immune-dependent production of interferon gamma and, increased bone marrow macrophage progenitor frequency. Macrophages lacking the encoded protein release less nitric oxide and IL-12 in response to lipopolysaccharide. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]