

Product datasheet for **MR216273**

Il11ra2 (NM_010550) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Il11ra2
Synonyms:	ENSMUSG00000066201; Etl-2; Etl2; Il11ra-ps1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR216273 representing NM_010550
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAGCAGCAGCTGCTCAGGGCTGACCAGGGTCTGGTGGCCGTGGCTACAGCCCTGGTGTCTTCTCTCT
 CCCCCTGCCCCCAAGCTTGGGGTCTCCAGGGGTCCAGTATGGACAACCTGGCAGGCCCGTGATGCTGTG
 CTGCCCCGAGTGAGTGCTGGGACTCCAGTGCTCTGGTTTCGGGATGGAGATTCAAGGCTGCTCCAGGGA
 CCTGACTCTGGGTAGGACACAGACTGGTCTTGGCCAGGTGGACAGCCCTGATGAAGGCACTTATGTCT
 GCCAGACCTGGATGGTGTATCAGGGGGCATGGTGACCCTGAAGCTGGGCTTTCCCCAGCACGTCCTGA
 AGTCTCTTGGCCAAGCGGTAGACTATGAAAACCTTCTCTGTACTTGGAGTCCAGGCCAGGTACGCGTTTG
 CCCACCCGCTACCTTACTTCTACAGGAAGAAGACGCTGCCAGGAGCTGAGAGTCAGAGGGAAGTCCAT
 CCACCGGGCCTTGGCCGTGTCCACAGGACCCTCTGGAGGCCTCCCGATGTGTGGTCCATGGGGCAGAGTT
 CTGGAGTGAGTACCGGATCAATGTGACCGAGGTGAACCCACTGGGTGCCAGCACGTGCCTACTGGATGTG
 AGATTACAGAGCATCTTGGTCCCGATCCACCCCAAGGACTGCGGGTGGAAATCCGTACCTGGTTACCCAA
 GACGCCTGCATGCCAGCTGGACATACCCTGCCTCCTGGCGTCGCCAACCCCACTTTCTGCTCAAGTTCGG
 GTTGCAATACCGACCAGCACAGCATCCAGCCTGGTCCACGGTGGAGCCCATTTGGCTTGGAGGAAGTGATA
 ACAGATACTGTGGCTGGGCTGCCACGCGGTACGAGTCAGTGCCAGGGACTTTCTGGATGCTGGCACCT
 GGAGCGCCTGGAGCCCAGAGGCCTGGGGTACTCCTAGCACTGGTCTCCTGCAGGATGAGATACCTGATTG
 GAGCCAGGGACATGGACAGCAGCTAGAGGCACTAGTAGCTCAGGAGGACAGCCTGGCTCCTGCAAGGCCT
 TCCTTGACGCCAGACCAAGGCCACTTGATCACAGGGATCCCTGGAGCAAGTAGCTGTGTAGCATCTC
 TGGGAATCTTCTTGGCTTGGCTGGTGTGGAGCCCTGGCACTGGGCTCTGGCTGAGGCTGAGACG
 GAGTGGGAAGGAAGGACCGCAAAACCTGGGCTCTTGGCACCCATGATCCCGGTGAAAAGCTTCCAGGA
 ATTCCAACCTGCAGAGGACCCAGAGAACTTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216273 representing NM_010550
 Red=Cloning site Green=Tags(s)

MSSSCSLTRVLVAVATALVSSSSPCQAWGPPGVQYQPGRPVMLCCPGVSAGTPVSWFRDGSRLQ
 PDSSLGHRLVLAQVDSDEGTYYCQTLDGVSAGMVTLLKGFPPARPEVSCQAVDYENFSCWSPGQVSL
 PTRYLTSYRKKTLPGAESQRESPSTGPWPCPDPLEASRCVHGAEFWSEYRINVTEVNPLGASTCLLDV
 RLQSIILRPDPQGLRVESVPGYPRRLHASWTYPASWRRQPHFLLKFRLQYRPAQHPAWSTVEPIGLEEVI
 TDTVAGLPHAVRVSARDFLDAGTWSAWSPEAWGTPSTGLLQDEIPDWSQGHGQLEAVVAQEDSLAPARP
 SLQPDPRPLDHRDPLEQVAVLASLGIFSLGLAVGALALGLWLRRLRRSGKEGPKPGLLAPMIPVEKLP
 IPNLQRTPENFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9017_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010550

ORF Size: 1296 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.

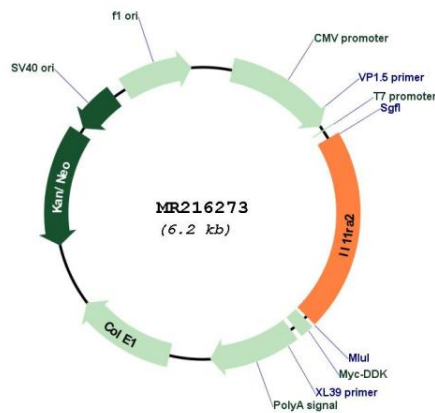
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_010550.3](#), [NP_034680.3](#)

RefSeq Size: 2680 bp

RefSeq ORF:	1299 bp
Locus ID:	16158
UniProt ID:	P70225
Cytogenetics:	4 22.73 cM
MW:	47.2 kDa
Gene Summary:	Receptor for interleukin-11. The receptor systems for IL6, LIF, OSM, CNTF, IL11 and CT1 can utilize IL6ST for initiating signal transmission. The IL11/IL11RA/IL6ST complex may be involved in the control of proliferation and/or differentiation of skeletogenic progenitor or other mesenchymal cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216273