

Product datasheet for **MG216273**

III1ra2 (NM_010550) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	III1ra2
Synonyms:	ENSMUSG00000066201; Etl-2; Etl2; III1ra-ps1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216273 representing NM_010550
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCAGCAGCTGCTCAGGGCTGACCAGGGTCTGGTGGCCGTGGCTACAGCCCTGGTGTCTTCTCTCT
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GAGCCAGGGACATGGACAGCAGCTAGAGGCAGTAGTCTCAGGAGGACAGCCTGGCTCTGCAAGGCT
TCCTTGAGCCAGACCAAGGCCACTTGATCACAGGGATCCCTGGAGCAAGTAGCTGTGTAGCATCTC
TGGGAATCTTCTTGCCTTGGCTGGCTGTTGGAGCCCTGGCACTGGGGCTCTGGCTGAGGCTGAGACG
GAGTGGGAAGGAAGGACCGCAAAAACCTGGGCTCTTGGCACCCATGATCCCGTGGAAAAGCTTCCAGGA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



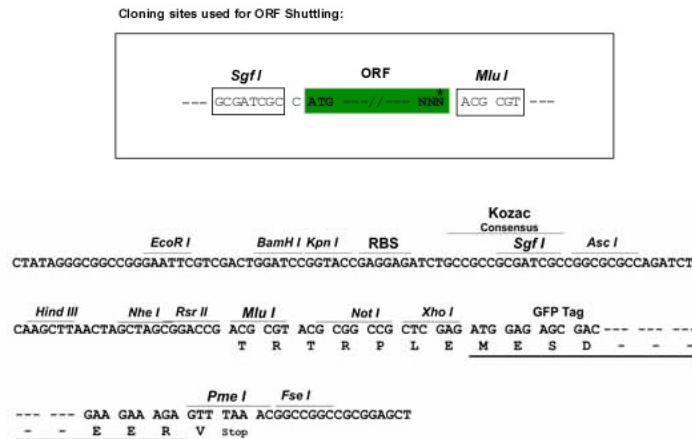
Protein Sequence: >MG216273 representing NM_010550
 Red=Cloning site Green=Tags(s)

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MSSSCSGLTRVLVAVATALVSSSSPCQAWGPPGVQYGQPGRPVMLCCPGVSAGTPVSWFRDGSRLQG
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PTRYLTSYRKKTLPGAESQRESPSTGPWPCQDPLEASRCVHGAEFWSEYRINVTENVPLGASTCLLDV
RLQSI LRPDP PQGLRVESVPGYPRRLHASWTYPASWRRQPHFLKFR LQYRPAQHPAWSTVEPIGLEEVI
TDTVAGLPHAVRVSARDFLDAGTWSAWSPEAWGTPSTGLLQDEIPDWSQGHGQQL EAVVAQEDSLAPARP
SLQPPRPLDHRDPLEQVAVLASLGIF SCLGLAVGALALGLWLRRLRRSGKEGPKPGLLAPMIPVEKLPG
IPNLQRTPENFS
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010550

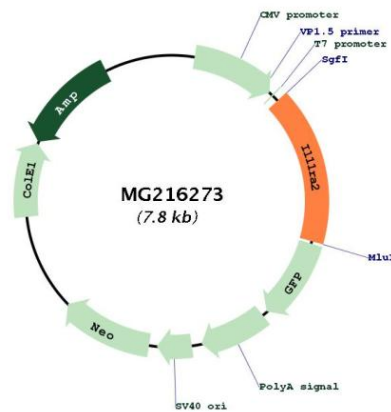
ORF Size: 1296 bp

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:	<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.
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
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 MG216273