

Product datasheet for **MR226637**

IL7r (NM_008372) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL7r (NM_008372) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL7r
Synonyms:	CD127; IL-7Ralpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226637 representing NM_008372
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGCTCTGGGTAGAGCTTTTCGCTATAGTTTTCTGCTTAATCAAGCTGTTTCTGGAGAAAGTGGAA
 ATGCCCAGGATGGAGACCTAGAAGATGCAGACGGACGATCACTCCTTCTGGTGCACAGCCAGTTGGA
 AGTGGATGGAAGTCAACATTTATTGACTTGTGCTTTTAATGACTCAGACATCAACACAGCTAATCTGGAA
 TTTCAAATATGTGGGCTCTTTTACGAGTAAAATGCCTAACTCTTAAAGCTGCAAGATATATATTTTA
 TAAAGACATCAGAATCTTACTGATTGGTAGCAGCAATATATGTGTGAAGCTTGGACAAAAGAATTAAC
 TTGCAAAAATATGGCTATAAACACAATAGTTAAAGCCGAGGCTCCCTCTGACCTGAAAGTCGTTTATCGC
 AAAGAAGCAAATGATTTTTTGGTGACATTTAATGCACCTCACTTGAAAAAGAAATATTTAAAAAAGTAA
 AGCATGATGTGGCTACCGCCAGCAAGGGGTGAAAGCAACTGGACGCATGTATCTTTATCCACACAAG
 AACACAATCCCACAGAGAAAACACGACAAAAGCAATGTATGAAATCAAAGTCCGATCCATCCCAT
 AACGATTACTTCAAAGGCTTCTGGAGCGAGTGGAGTCCAAGTTCTACCTCGAAACTCCAGAACCCAAGA
 ATCAAGGAGGATGGGATCCTGTCTTGCCAAAGTGTACCATTCTGAGTTTGTCTCTGTGTTTTTGTGGT
 CATCTTAGCCATGTGCTATGGAAAAAAGGATTAACCTGTGCTATGGCCTAGTCTCCCGATCATAAG
 AAAACTCTGGAACAACATGTGAAGAAGCAAAAACGAGTCTGAATGTGAGTTTCAATCCCGAAAGTTTCC
 TGGACTGCCAGATTATGAGGTGAAAGGCGTTGAAGCCAGGGACGAGGTGGAAAGTTTTCTGCCCAATGA
 TCTTCTGCACAGCCAGAGGAGTTGGAGACACAGGGACACAGAGCCGCTGTACACAGTCAAACCGCTCG
 CCTGAGACTTCAATGAGTCAAGGCTTCCACTCCTTCTCTAGGTCCTGACTACAGAGATGGTGACAGAAATC
 TGAGTACTGCAATGCCCTCCACTCCTTCTCTAGGTCCTGACTACAGAGATGGTGACAGAAATC
 GCCTCCTGTGTATCAAGACTTGTGCAAACTCTGGAAACACAATGTCCCTGTCCCTGTCCCTCAACCA
 TTGCCCTTCCAGTCGGGAATCCTGATACAGTTTCTCAGAGACAGCCATCTCCACTTCTCAGTACTGA
 ATCAAGAAGAAGCGTATGTACCATGTCTAGTTTTTACCAAAACAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226637 representing NM_008372
 Red=Cloning site Green=Tags(s)

MMALGRAFAIVFCLIQAVSGESGNAQDGDLEDADADDHSFWCHSQLEVDGSQHLLTCAFNDSDINTANLE
 FQICGALLRVKCLTLNKLQDIYFIKTSEFLIGSSNICVKLGQKNLTCKNMAINTIVKAEAPSDLKVVYR
 KEANDFLVTFNAPHLKKKYLKKVKHDVAYRPARGESNWITHVSLFHTRTTIPQRKLRPKAMYIIVRSIPH
 NDYFKGFWEWSPSSTFETPEPKNQGGWDPVLPSTILSLFSVFLLVILAHVLWKKRIKPVVWPSLPDHK
 KTLQLCKKPKTSLNVFNPESFLDCQIHEVKGVEARDEVESFLPNLPAQPEELETQGHRAAVHSANRS
 PETSVSPPETVRRSPLRCLARNLSTCNAPPLLSSRSPDYRDGDRNRPPVYQDLLPNSGNTNVPVVPVQP
 LPFQSGILIPVSRQPISTSSVLNQEAYVTMSSFYQNK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_c11.zip

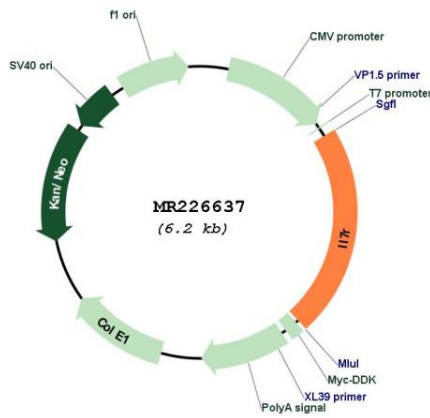
Restriction Sites:

Sgfl-MluI

RefSeq: [NM_008372.4, NP_032398.3](#)
RefSeq Size: 3227 bp
RefSeq ORF: 1380 bp
Locus ID: 16197
UniProt ID: [P16872](#)
Cytogenetics: 15 4.16 cM
MW: 52.1 kDa

Gene Summary: Interleukin-7 is a glycoprotein involved in the regulation of lymphopoiesis. Response of cells to IL7 is dependent on the presence of the interleukin 7 receptor (IL7R); the active receptor is a alpha/gamma chain heterodimer. The gamma(c) chain, which also associates with the interleukin-2 receptor, serves primarily to activate signal transduction by the IL7R complex, while the alpha chain of IL7R determines specific signaling events through its association with cytoplasmic signaling molecules. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR226637