

Product datasheet for **MC221251**

Il17rd (NM_134437) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il17rd (NM_134437) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Il17rd
Synonyms:	2810004A10Rik; AI428510; Sef; Sef-S
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221251 representing NM_134437
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCCGTGGCTGCAGCTCTGCTCCTTCTTCTCACTGTCAACGCCTGTCTCAACGGCTCGCAGCTGG
 CAGTGGCCCGGGCGGCTCCGGCCGCGAGGGGCGCGACACCTGTGGCTGGAGGGGAGTGGGGCCGGC
 CAGCAGGAACAGCGGACTGCACAACATCACCTTACGATACGACAACCTGTACCACCTACTTGAATCCCGGC
 GGAAGCATGCGATTGCTGATGCTCAGAACATCACCATCAGCCAGTACGCTTGCCACGACCAGGTGGCAG
 TCACCATTCTTTGGTCCCAGGGGCCCTTGGCATTGAATTCCTAAAAGGATTCCGAGTATCCTGGAGGA
 GCTGAAGTCGGAGGGCAGACAGTCCAACAGCTGATTCTAAAGGACCCAAACAGCTCAACAGCAGCTTC
 AGAAGGACTGGAATGGAATCTCAGCCTTCTCTGAATATGAAATTTGAGACGGATTACTTTGTAAGATTG
 TCCCTTCCCTTCCATTAATAAAGCAATTACCATCCCTTCTTCTCAGAACACGGGCTGTGACCT
 GTTGTACAACCTGACAACCTGGCTGTAAAGCCTTCTGGAAGCCTCGAAACCTGAATATCAGCCAGCAT
 GGTTCGACATGCACGTGCTTTCGACCATGCCCGCAGAACTTCGGCTTCCGTGGCTTCCATGTTCTCT
 ATAAGCTCAAGCAGCAAGGCCCTTCAGGCGGAGGACTTCAGGCGAGGACCAGAATACAGAGACAACCAG
 CTGCTCCTCCAAAACGTTTCTCCAGGGGACTATATCATTGAGCTGGTGGATGACAGCAACACCACCAGG
 AAAGCTGCTCAGTATGTGGTGAAGTCAGTGCAGTCTCCCTGGGCTGGACCCATCAGAGCTGTGGCCATCA
 CTGTGCCCTCTGGTTGTCATATCTGCGTTCCGAACCCTGTTCACTGTGATGTGCAGAAAGAAGCAACAAGA
 AAATATATATTACATTTAGATGAAGAAAGCCGGAGTCGTCACATACGCTGCGGCTCTCCCCAGAGAC
 AGGCTCCGGCCTCAGCCAAGGTCTTCTCTGCTACTCCAATAAAGATGGCCAGAATCACATGAACGTGG
 TCCAGTGTTCGCCTATTTCTGCAAGATTTCTGTGGCTGTGAGGTGGCTCTGGACTTGGGAAGATTT
 CAGCCTCTGCAGAGAGGGGCAGAGAGAATGGGCCATTCAAGAATCCACGAGTCCAGTTTCATCATTGTC
 GTGTGCTCCAAGGCATGAAGTACTTTGTAGATAAGAAGAACTTCAGACAAAAGGAGGCAGCCGCGGCG
 AGGCGCAAGGCGAGTTCTTCTGGTGGCCGTGGCAGCCATTGCTGAGAAGCTCCGTAGGCAAGCAGAG
 CTCATCTGCCGACTGCGCAAGTTCATCGCCGTCTACTTCGATTATCCTGTGAAGGGGATGTACCCTGC
 AGCCTGGACCTGAGCACCAAGTACAAGCTCATGGACCCTTCTGAGCTCTGTGCCATCTGCACTCAG
 GAGAGCAGGAGGTGCTGGTTCAGCACCCAGGCCACAGCAGCAGAAGGAACACTCCGGAGCAAATCGGG
 CCGCTCCCTGTATGTTGCCATTTGCAACATGCACCAGTTTATTGATGAGGAGCCTGACTGGTTTGAAG
 CAGTTTATACCCTCCAACATCCCCTGTGCGTTACCAGGAGCCAGTCTGGAGAAATTTGACTCAGGCT
 TGGTTTTAAATGATGTCATAAGCAAACAGGGCCAGAGAGTGACTTCTGTGCGAAAGTCCAGGCTTGTGT
 ACTTGGGGCCGCTGGGCCAGCCGACTCTTATTCATACCTGGAGAGTCAGCATGTAGGCTGGACCAAGAC
 ACTGAGGCCAGCCCTCCTGTGATAGTGCCCTGCCTTGACGCCCTGTTACACGCAGTGAAGCTGGCA
 GTCCCTCAGAGATGCCACGGGACTCAGGCATATATGATTCTTCTGTACCCCTCATCAGAGCTCTCTGCC
 TCTGATGGAGGACTCTCTCCGATCAGATAGAAACATCTTCTGTACCGAGAGTGTATCTTCTCCTCT
 GGCCTAGGTGAGGAGGACCCCTACCCTCCCTCCAAGCTCCTTGCCTCTGGGGTGTCCAGAGAACATG
 GTTGCCACAGCCACACTGACGAAGTCAAGCGCTTGTCTCTTTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_134437
Insert Size: 2217 bp
OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_134437.3</u> , <u>NP_602319.1</u>
RefSeq Size:	8220 bp
RefSeq ORF:	2217 bp
Locus ID:	171463
UniProt ID:	<u>Q8JZL1</u>
Cytogenetics:	14 A3
Gene Summary:	Feedback inhibitor of fibroblast growth factor mediated Ras-MAPK signaling and ERK activation. May inhibit FGF-induced FGFR1 tyrosine phosphorylation. Regulates the nuclear ERK signaling pathway by spatially blocking nuclear translocation of activated ERK (By similarity). Mediates JNK activation and may be involved in apoptosis. Might have a role in the early stages of fate specification of GnRH-secreting neurons.[UniProtKB/Swiss-Prot Function]