

Product datasheet for **MC225762**

Il15ra (NM_001271497) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il15ra (NM_001271497) Mouse Untagged Clone
Tag: Tag Free
Symbol: Il15ra
Synonyms: AA690181; IL-15RA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225762 representing NM_001271497
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCACAGAGACAGCTATTATGCCTGGCTCCAGGCTGACACCATCCCAAACAACTTCTGCAGGA**ACTA**
CAGGGACAGGCAGTCACAAGTCTCCCGAGCCCATCTCTTGCAGCAACAATGACCTTGGAGCCTACAGC
CTCCACCTCCCTCAGGATAACAGAGATTCTCCCCACAGTTCCAAAATGACGAAAGTGGCCATCTTACA
TCGGTCTCTTGGTTGGTGCAGGGTGTGATGGCTTTCCTGGCCTGGTACATCAAATCAAGGCAGCCTT
CTCAGCCGTGCCGTGTTGAGGTGAAACCATGGAACAGTACCAATGACTGTGAGGGCCAGCAGCAAGGA
GGATGAAGACACAGGAGCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001271497
Insert Size: 372 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).
OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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_001271497.1, NP_001258426.1</u>
RefSeq Size:	1601 bp
RefSeq ORF:	372 bp
Locus ID:	16169
UniProt ID:	<u>Q60819</u>
Cytogenetics:	2 8.97 cM
Gene Summary:	<p>High-affinity receptor for interleukin-15 (PubMed:17947230). Can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells (PubMed:17947230). In neutrophils, binds and activates kinase SYK in response to IL15 stimulation (By similarity). In neutrophils, required for IL15-induced phagocytosis in a SYK-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) contains an alternate 5'-most exon and uses an alternate donor splice site in another exon in the 5' UTR compared to variant 1. These differences cause translation initiation at a downstream AUG and results in an isoform (2) with a shorter N-terminus, compared to isoform 1. Both variants 2 and 3 encode the same isoform (2).</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>