

## Product datasheet for **MR225609**

### IL12a (NM\_001159424) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL12a (NM\_001159424) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** IL12a  
**Synonyms:** IL-12a; IL-12p35; LI12a; p35  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR225609 representing NM\_001159424  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCAGCGTTCCAACAGCCTCACCTCGGCATCCAGCAGCTCCTCTCAGTGCCGGTCCAGCATGTGTC  
AATCACGCTACCTCCTCTTTTGGCCACCCTTGCCTCCTAAACCACCTCAGTTTGGCCAGGGTCATTCC  
AGTCTCTGGACCTGCCAGGTGTCTTAGCCAGTCCCGAACTGCTGAAGACCACAGATGACATGGTGAAG  
ACGGCCAGAGAAAACTGAAACATTATTCCTGCACTGCTGAAGACATCGATCATGAAGACATCACACGGG  
ACCAAACCAGCACATTGAAGACCTGTTTACCCTGGAACACACAAGAACGAGAGTTGCCTGGCTACTAG  
AGAGACTTCTTCCACAACAAGAGGGAGCTGCCTGCCCCACAGAAGACGCTTTTGATGATGACCCGTGTC  
CTTGGTAGCATCTATGAGGACTTGAAGATGTACCAGACAGAGTTCAGGCCATCAACGCAGCACTTCAGA  
ATCACAACCATCAGCAGATCATTCTAGACAAGGGCATGCTGGTGGCCATCGATGAGCTGATGCAGTCTCT  
GAATCATAATGGCGAGACTCTGCGCCAGAACTCCTGTGGGAGAAGCAGACCCTTACAGAGTGAATG  
AAGCTCTGCATCCTGCTTACGCCTTACGACCCGCTCGTGACCATCAACAGGGTATGGGCTATCTGA  
GCTCCGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR225609 representing NM\_001159424  
Red=Cloning site Green=Tags(s)

MVSVPTASPSASSSSSQCRSSMCQSRVLLFLATLALLNHLSLARVIPVSGPARCLSQSRNLLKTTDDMVK  
 TAREKLKHYSCAEDIDHEDITRDQSTLTKCLPELHKNESCLATRETSSTTRGSCLPPQKTSMMTLC  
 LGSIIYEDLKMYQTEFQAINAALQNHHQIILDKGMLVAIDELMQSLNHNGETLRQKPPVGEADPYRVKM  
 KLCILLHAFSTRVVTINRVMGYLSSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9007\\_h07.zip](https://cdn.origene.com/chromatograms/mm9007_h07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001159424

**ORF Size:** 708 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.

**RefSeq:** [NM\\_001159424.2](#)

**RefSeq Size:** 1303 bp

**RefSeq ORF:** 711 bp

**Locus ID:** 16159

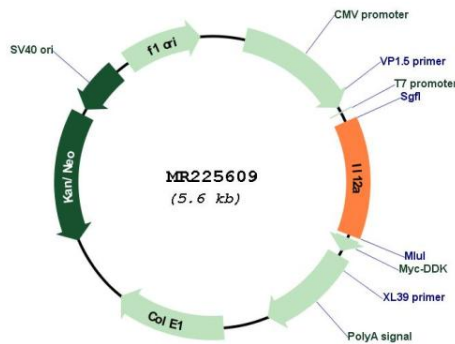
**UniProt ID:** [P43431](#)

**Cytogenetics:** 3 31.92 cM

**MW:** 26.7 kDa

**Gene Summary:** Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR225609