

Product datasheet for RC210310L3

IL4I1 (NM_152899) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: IL4I1 (NM_152899) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: IL4I1

Synonyms: FIG1; hIL4I1; LAAO; LAO

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

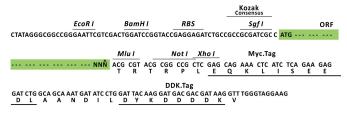
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC210310).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_152899

ORF Size: 1701 bp



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IL4I1 (NM_152899) Human Tagged Lenti ORF Clone - RC210310L3

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 152899.1

 RefSeq Size:
 1798 bp

 RefSeq ORF:
 1704 bp

 Locus ID:
 259307

 UniProt ID:
 Q96RQ9

Cytogenetics: 19q13.33

Domains: Amino oxidase

Protein Families: Druggable Genome

Protein Pathways: Alanine, aspartate and glutamate metabolism, Cysteine and methionine metabolism,

Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism, Tryptophan metabolism, Tyrosine metabolism, Valine, leucine and isoleucine

degradation

MW: 60.7 kDa

Gene Summary: This gene encodes a secreted L-amino acid oxidase protein which primarily catabolizes L-

phenylalanine and, to a lesser extent, L-arginine. The expression of this gene is induced by the cytokine interleukin 4 in B cells. This gene is also expressed in macrophages and dendritic

cells. This protein may play a role immune system escape as it is expressed in tumorassociated macrophages and suppresses T-cell responses. This protein also contains domains thought to be involved in the binding of flavin adenine dinucleotide (FAD) cofactor. Multiple transcript variants encoding different isoforms have been found for this gene. Some

transcripts of this gene share a promoter and exons of the 5' UTR with the overlapping

NUP62 gene. [provided by RefSeq, Jul 2020]