

Product datasheet for RC212425L1

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OriGene Technologies, Inc.

AMHR2 (NM_020547) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: AMHR2 (NM_020547) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: AMHR2

Synonyms: AMHR; MISR2; MISRII; MRII

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC212425).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_020547

ORF Size: 1722 bp





AMHR2 (NM_020547) Human Tagged Lenti ORF Clone - RC212425L1

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: <u>NM 020547.1</u>

RefSeq Size:1855 bpRefSeq ORF:1722 bp

Locus ID: 269

 UniProt ID:
 Q16671

 Cytogenetics:
 12q13.13

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

MW: 62.6 kDa

Gene Summary: This gene encodes the receptor for the anti-Mullerian hormone (AMH) which, in addition to

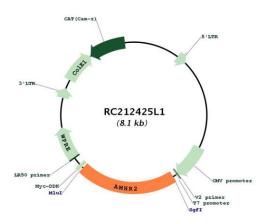
testosterone, results in male sex differentiation. AMH and testosterone are produced in the testes by different cells and have different effects. Testosterone promotes the development

of male genitalia while the binding of AMH to the encoded receptor prevents the

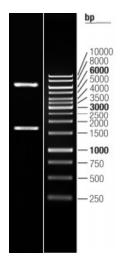
development of the mullerian ducts into uterus and Fallopian tubes. Mutations in this gene are associated with persistent Mullerian duct syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Sep 2009]



Product images:



Circular map for RC212425L1



Double digestion of RC212425L1 using Sgfl and Mlul