

Product datasheet for MR204697L3

Akr1c21 (NM_029901) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Akr1c21 (NM_029901) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Akr1c21

Synonyms: 9430025F20Rik; Al315367

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(MR204697).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_029901

ORF Size: 972 bp



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Akr1c21 (NM_029901) Mouse Tagged Lenti ORF Clone - MR204697L3

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 029901.2, NP 084177.2

 RefSeq Size:
 1222 bp

 RefSeq ORF:
 972 bp

 Locus ID:
 77337

 UniProt ID:
 Q91WR5

Cytogenetics: 13 A1

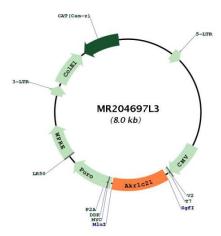
Gene Summary: NADP-dependent 17-alpha-hydroxysteroid dehydrogenase that converts 5-alpha-androstane-

3,17-dione into androsterone. Has lower 3-alpha-hydroxysteroid dehydrogenase activity. Has broad substrate specificity and acts on various 17-alpha-hydroxysteroids, 17-ketosteroids, 3-alpha hydroxysteroids and 3-ketosteroids. Reduction of keto groups is strictly stereoselective. Reduction of 17-ketosteroids yields only 17-alpha-hydroxysteroids. Likewise, reduction of 3-

ketosteroids yields only 3-alpha-hydroxysteroids.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR204697L3