

Product datasheet for MR216960L4

Idh3g (NM_008323) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Idh3g (NM_008323) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: ldh3g

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this

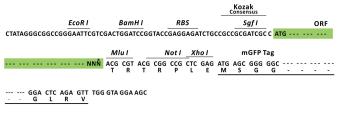
Sequence:

The ORF insert of this clone is exactly the same as(MR216960).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_008323 **ORF Size:** 1179 bp



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Idh3g (NM_008323) Mouse Tagged Lenti ORF Clone - MR216960L4

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 008323.1, NP 032349.1</u>

 RefSeq Size:
 1335 bp

 RefSeq ORF:
 1182 bp

 Locus ID:
 15929

 UniProt ID:
 P70404

Cytogenetics: X 37.41 cM

Gene Summary: Regulatory subunit which plays a role in the allosteric regulation of the enzyme catalyzing the

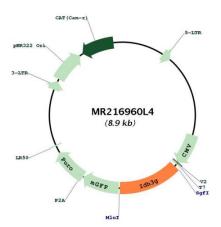
decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (IDH3A) and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires

the assembly and cooperative function of both heterodimers.[UniProtKB/Swiss-Prot

Function]



Product images:



Circular map for MR216960L4