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# Product datasheet for MR204242L4V

## Mtch2 (NM_019758) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Mtch2 (NM_019758) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Mtch2 |
| **Synonyms:** | 2310034D24Rik; 4930539J07Rik; HSPC0; HSPC032 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_019758 |
| **ORF Size:** | 909 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(MR204242).` |
| **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. |
| **RefSeq:** | NM_019758.2 |
| **RefSeq Size:** | 2420 bp |
| **RefSeq ORF:** | 912 bp |
| **Locus ID:** | 56428 |
| **UniProt ID:** | Q791V5 |
| **Cytogenetics:** | 2 E1 |

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**Gene Summary:** This gene encodes a member of the SLC25 family of nuclear-encoded transporters that are localized in the inner mitochondrial membrane. Members of this superfamily are involved in many metabolic pathways and cell functions. Genome-wide association studies in human have identified single-nucleotide polymorphisms in several loci associated with obesity. This gene is one such locus, which is highly expressed in white adipose tissue and adipocytes, and thought to play a regulatory role in adipocyte differentiation and biology. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A recent study showed this gene to be an authentic stop codon readthrough target that can produce two isoforms from the same mRNA by use of alternative in-frame translation termination codons. [provided by RefSeq, Dec 2017]