

## Product datasheet for **RC208504L3V**

### **KDM5C (NM\_004187) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | KDM5C (NM_004187) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | KDM5C  |
| Synonyms:                 | DXS1272E; JARID1C; MRX13; MRXJ; MRXSCJ; MRXSJ; SMCX; XE169   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_004187  |
| ORF Size:                 | 717 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC208504).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_004187.2</a>  |
| RefSeq Size:              | 6863 bp  |
| RefSeq ORF:               | 4683 bp  |
| Locus ID:                 | 8242   |
| UniProt ID:               | <a href="#">P41229</a>   |
| Cytogenetics:             | Xp11.22  |
| Domains:                  | ARID, PHD, JmjC, JmjN, zf-C5HC2  |
| Protein Families:         | Druggable Genome, Transcription Factors  |



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**MW:** 175.6 kDa

**Gene Summary:** This gene is a member of the SMCY homolog family and encodes a protein with one ARID domain, one JmjC domain, one JmjN domain and two PHD-type zinc fingers. The DNA-binding motifs suggest this protein is involved in the regulation of transcription and chromatin remodeling. Mutations in this gene have been associated with X-linked cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]