

Product datasheet for **RC200023L4V**

DCXR (NM_016286) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | DCXR (NM_016286) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | DCXR |
| Synonyms: | DCR; HCR2; HCRII; KIDCR; P34H; PNTSU; SDR20C1; XR |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_016286 |
| ORF Size: | 732 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC200023). |
| 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_016286.2 |
| RefSeq Size: | 860 bp |
| RefSeq ORF: | 735 bp |
| Locus ID: | 51181 |
| UniProt ID: | Q7Z4W1 |
| Cytogenetics: | 17q25.3 |
| Domains: | adh_short |
| Protein Families: | Druggable Genome |



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Protein Pathways: Metabolic pathways, Pentose and glucuronate interconversions

MW: 25.9 kDa

Gene Summary: The protein encoded by this gene acts as a homotetramer to catalyze diacetyl reductase and L-xylulose reductase reactions. The encoded protein may play a role in the uronate cycle of glucose metabolism and in the cellular osmoregulation in the proximal renal tubules. Defects in this gene are a cause of pentosuria. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2010]