

Product datasheet for **RG200023**

DCXR (NM_016286) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCXR (NM_016286) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCXR
Synonyms:	DCR; HCR2; HCR11; KIDCR; P34H; PNTSU; SDR20C1; XR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200023 representing NM_016286 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGTTTCCTCGCGGGCCCGGGTCTGGTACCAGGGCAGGCAAAGGTATAGGGCGGGCACGG
TCCAGGCGCTGCACGCGACGGGCGCGGGTGGTGGCTGTGAGCCGACTCAGGCGGATCTTGACAGCCT
TGTCCGCGAGTGCCCGGGATAGAACCCGTGTGCGTGGACCTGGGTGACTGGGAGGCCACCGAGCGGGC
CTGGGCAGCGTGGGCCCGTGGACCTGCTGGTGAACAACGCCGTGTCGCCCTGCTGCAGCCCTTCTGG
AGGTCACCAAGGAGGCCTTTGACAGATCCTTTGAGGTGAACCTGCGTGGGTGATCCAGGTGTCGAGAT
TGTGGCCAGGGGCTTAATAGCCCGGGAGTCCCAGGGCCATCGTGAATGTCTCCAGCCAGTGTCCAG
CGGCAGTAACCAACTAGCGTCTACTGCTCCACCAAGGGTGCCTGGACATGCTGACCAAGGTGATGG
CCCTAGAGCTCGGGCCCCACAAGATCCGAGTGAATGCAGTAAACCCACAGTGGTGTGACGTCCATGGG
CCAGGCCACCTGGAGTGACCCCCACAAGGCCAAGACTATGCTGAACCGAATCCCCTTGGCAAGTTTGT
GAGGTAGAGCACGTGGTGAACCCATCCTCTTCTGCTGAGTGACCGAAGTGGCATGACCACGGTTCCA
CTTGCCGGTGAAGGGGCTTCTGGCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_016286.4](#)

RefSeq Size: 829 bp

RefSeq ORF: 735 bp

Locus ID: 51181

UniProt ID: [Q7Z4W1](#)

Cytogenetics: 17q25.3

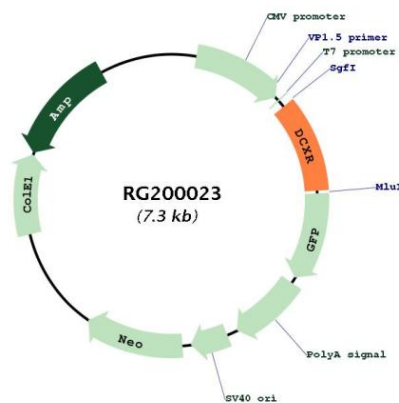
Domains: adh_short

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Pentose and glucuronate interconversions

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]

Product images:



Circular map for RG200023