Recombinant Human DCXR Protein, GST-tagged

Cat. No. DCXR-2424H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DCXR full-length ORF (AAH01470, 1 a.a. - 244 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	52.47 kDa
AA Sequence	MELFLAGRRVLVTGAGKGIGRGTVQALHATGARVVAVSRTQADLDSLVRECPGIEP VCVDLGDWEATERALGSVGPVDLLVNNAAVALLQPFLEVTKEAFDRSFEVNLRAVIQ VSQIVARGLIARGVPGAIVNVSSQCSQRAVTNHSVYCSTKGALDMLTKVMALELGPH KIRVNAVNPTVVMTSMGQATWSDPHKAKTMLNRIPLGKFAEVEHVVNAILFLLSDRS GMTTGSTLPVEGGFWAC
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

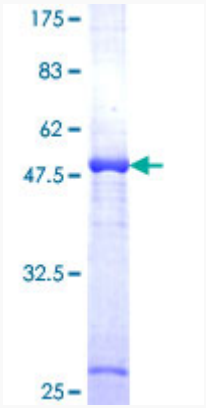
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DCXR dicarbonyl/L-xylulose reductase [Homo sapiens]
Official Symbol	DCXR
Synonyms	DCXR; dicarbonyl/L-xylulose reductase; L-xylulose reductase; DCR; KIDCR; SDR20C1; short chain dehydrogenase/reductase family 20C; member 1; carbonyl reductase 2; carbonyl reductase II; sperm surface protein P34H; kidney dicarbonyl reductase; short chain dehydrogenase/reductase family 20C, member 1; XR; HCR2; P34H; HCRII;
Gene ID	51181
mRNA Refseq	NM_001195218
Protein Refseq	NP_001182147
MIM	608347
UniProt ID	Q7Z4W1

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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