

Product datasheet for **TP720249M**

DCXR (NM_001195218) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dicarbonyl/L-xylulose reductase (DCXR), transcript variant 2.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Cys244
Tag:	N-His
Predicted MW:	28.1 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001182147
Locus ID:	51181
UniProt ID:	Q7Z4W1
Cytogenetics:	17q25.3
Synonyms:	DCR; HCR2; HCRII; KIDCR; P34H; PNTSU; SDR20C1; XR
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]
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Pentose and glucuronate interconversions



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Product images:

