

Product datasheet for **TP720249L**

DCXR (NM_001195218) Human Recombinant Protein

Product data:

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| 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:

