

Product datasheet for TP720249L

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 E. coli **Expression Host: Expression cDNA Clone** Met1-Cys244 or AA Sequence: N-His Tag: 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. NP 001182147 **RefSeq:** Locus ID: 51181 **UniProt ID:** Q7Z4W1 Cytogenetics: 17q25.3 Synonyms: DCR; HCR2; HCRII; KIDCR; P34H; PNTSU; SDR20C1; XR The protein encoded by this gene acts as a homotetramer to catalyze diacetyl reductase and Summary: 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

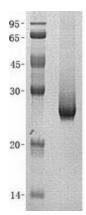


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