

## Product datasheet for PH300023

### DCXR (NM\_016286) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DCXR MS Standard C13 and N15-labeled recombinant protein (NP_057370)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200023
Predicted MW:	25.9 kDa
Protein Sequence:	>RC200023 protein sequence Red=Cloning site Green=Tags(s)  MELFLAGRRVLVTGAGKIGRGTVQALHATGARVAVSRTQADLDSL VRECPGIEPVCVDLGDWEATERA LGSVGPVDLLVNNAAVALLQPFLEVTKEAFDRSFEVNLRAVIQVSQIVARGLIARGVPGAIYVNVSSQCSQ RAVTNHSVYCSTKGALDMLTKVMALELGPHKIRVNAVNPVVM TSMGQATWSDPHKAKTMLNRIPLGKFA EVEHVVNAILFLLSDRSGMTTGSTLPVEGGFWAC  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_057370</a>
RefSeq Size:	860
RefSeq ORF:	732
Synonyms:	DCR; HCR2; HCRII; KIDCR; P34H; PNTSU; SDR20C1; XR
Locus ID:	51181
UniProt ID:	<a href="#">Q7Z4W1</a> , <a href="#">A0A384NY14</a>



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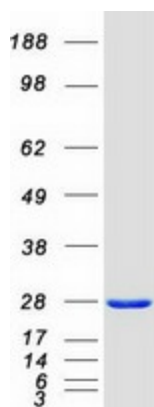
**Cytogenetics:** 17q25.3

**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

### Product images:



Coomassie blue staining of purified DCXR protein (Cat# [TP300023]). The protein was produced from HEK293T cells transfected with DCXR cDNA clone (Cat# [RC200023]) using MegaTran 2.0 (Cat# [TT210002]).