

## Recombinant Human DCXR Protein (His Tag)

**Catalog Number:** PKSH032714

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

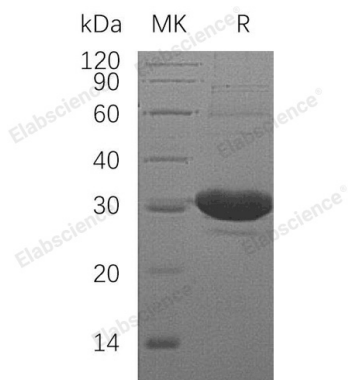
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human DCXR protein Met 1-Cys244, with an N-terminal His
<b>Mol_Mass</b>	28.1 kDa
<b>Accession</b>	Q7Z4W1
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50mM Tris, 150mM NaCl, 1mM DTT, 30% Glycerol, 1mM DTT, pH 8.0.
<b>Reconstitution</b>	Not Applicable

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

L-Xylulose Reductase is an enzyme that belongs to the Short-Chain Dehydrogenases/Reductases (SDR) family. L-Xylulose Reductase is responsible for the metabolism of Xylulose, converting it into Xylitol. L-Xylulose Reductase catalyzes the NADPH-dependent reduction of several Pentoses, Tetroses, Trioses,  $\alpha$ -Dicarbonyl compounds and L-Xylulose. L-Xylulose Reductase participates in the Uronate Cycle of Glucose metabolism. It may play a role in the water absorption and cellular osmoregulation in the proximal renal tubules by producing Xylitol, an osmolyte, thereby preventing osmolytic stress from occurring in the renal tubules.

### For Research Use Only

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