

Recombinant Mouse Dcxr Protein, Myc/DDK-tagged

Cat. No. Dcxr-2488M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dicarbonyl L-xylulose reductase (Dcxr), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the NADPH-dependent reduction of several pentoses, tetroses, trioses, alpha-dicarbonyl compounds and L-xylulose. Participates in the uronate cycle of glucose metabolism. 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.
Molecular Mass	26.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Dcxr dicarbonyl L-xylulose reductase [Mus musculus (house mouse)]
Official Symbol	Dcxr
Synonyms	DCXR; dicarbonyl L-xylulose reductase; L-xylulose reductase; XR; diacetyl/L-xylulose reductase; 0610038K04Rik; 1810027P18Rik
Gene ID	67880
mRNA Refseq	NM_026428
Protein Refseq	NP_080704
UniProt ID	Q91X52

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