

Product datasheet for **TP519279**

Dcxr (NM_026428) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse dicarbonyl L-xylulose reductase (Dcxr), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR219279 representing NM_026428
Red=Cloning site **Green**=Tags(s)

MDLGLAGRRALVTGAGKIGRSTVLALKAAQAQWAVSRTREDLDDLRECPGVEPVCVDLADWEATEQA
LSNVGPVDLLVNNAVALLQPFLVETKEACDTSFNVNLRAVIQVSQIVAKGMIARGVPGAIVNVSSQASQ
RALTNHTVYCSTKMGALDMLTKMMALELGPBKIRVNAVNPVVMTPMGRTNWSDPHKAKAMLDRIPLGKFA
EVENVVDITLFLLSNRSGMTTGSTLPVDGGFLAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 26.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_080704](#)

Locus ID: 67880

UniProt ID: [Q91X52](#)

RefSeq Size: 918



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Cytogenetics: 11 E2

RefSeq ORF: 732

Synonyms: 0610038K04Rik; 1810027P18Rik; XR

Summary: 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.[UniProtKB/Swiss-Prot Function]