

32-7255: Recombinant Human L-Xylulose Reductase/DCXR (N-6His)

Gene : DCXR
Gene ID : 51181
Uniprot ID : Q7Z4W1

Description

Source: E.coli.
MW :28.1kD.

Recombinant Human L-Xylulose Reductase is produced by our E.coli expression system and the target gene encoding Met1-Cys244 is expressed with a 6His tag at the N-terminus. 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, a-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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 50mM Tris, 150mM NaCl, 1mM DTT, 30% Glycerol, 1mM DTT, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMELFLAGRRVLVTGAGKGIGRGTVQALHATGARVAVSRTQADLDSLAREC
PGIEPVCVDLGDWEATERALGSVGPVDLLVNNAVALLQPFLEVTKAEFDRSFEVNLRAVIQVSQIVARGLIARG
VPGAIVNVSSQCSQRAVTNHSVYCSTKGALDMLTKVMALELGPHKIRVNAVNPVTVM TSMGQATWSDPHKAK
TMLNRIPLGKFAVEHVVNAILFLLSDRSGMTTGSTLPVEGGFWAC

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.