

Human DCXR Recombinant Protein



RPPB1561

Product Information Protein Information

Product SKU:

RPPB1561

Accession:

Q7Z4W1

Host:

Escherichia Coli.

Protein description:

DCXR Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 264 amino acids (1-244 a.a.) and having a molecular mass of 28 kDa. The DCXR is fused to a 20 amino acids His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

DCR, HCR2, HCRII, KIDCR, P34H, SDR20C1, Dicarbonyl/L-Xylulose Reductase, EC=1.1.1.10, Carbonyl reductase II, Kidney dicarbonyl reductase, Sperm surface protein P34H.

Formulation:

The DCXR (0.5mg/ml) solution containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 20% glycerol and 50mM NaCl.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MELFLAGRRV LVTGAGKGIG RGTVQALHAT GARVVAVSRT QADLDSLVRE
CPGIEPVCVD LGDWEATERA LGSVGPVDLL VNNAAVALLQ PFLEVTKEAF DRSFEVNLRA VIQVSQIVAR
GLIARGVPGA IVNVSSQCSQ RAVTNHSVYC STKGALDMLT KVMALELGP KIRVNAVNP VVMTSMGQAT
WSDPHKAKTM LNRIPLGKFA EVEHVVNAIL FLLSDRSGMT TGSTLPVEGG FWAC.

Biological Activity:

Specific activity is > 1,800 pmol/min/ug and is defined as the amount of enzyme that oxidize 1pmole of xylitol to L-xylulose per minute at pH 10.0 at 37C.