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Datasheet for ABIN7560071 **DCXR Protein (AA 1-244) (His tag)**

Overview

Quantity:	1 mg
Target:	DCXR
Protein Characteristics:	AA 1-244
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DCXR protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dcxr Protein expressed in mammalian cells.
Sequence:	<p>MDLGLAGRRA LVTGAGKGIG RSTVLALKAA GAQVVAVSRT REDLDDLRE CPGVEPVCVD LADWEATEQA LSNVGPVDLL VNNAVALLQ PFLEVTKEAC DTSFNVNLRV VIQVSQIVAK GMIARGVPGA IVNVSSQASQ RALTNHTVYC STKGALDMLT KMMALELGPH KIRVNAVNP VVMTPMGRTN WSDPHKAKAM LDRIPLGKFA EVENVVDLIL FLLSNRSGMT TGSTLPVDGG FLAT</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	DCXR
Alternative Name:	Dcxr (DCXR Products)
Background:	L-xylulose reductase (XR) (EC 1.1.1.10) (Dicarbonyl/L-xylulose reductase),FUNCTION: 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 Weight:	25.7 kDa
UniProt:	Q91X52
Pathways:	Glycosaminoglycan Metabolic Process , Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months