

11-cis-retinol dehydrogenase

Cat. No. EXWM-0227

Lot. No. (See product label)

Introduction

Description

This enzyme, abundant in the retinal pigment epithelium, catalyses the reduction of 11-cis-retinol to 11-cis-retinal while the substrate is bound to the retinal-binding protein. This is a crucial step in the regeneration of 11-cis-retinal, the chromophore of rhodopsin. The enzyme can also accept other cis forms of retinol.

Synonyms

RDH5 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.315

Reaction

11-cis-retinol-[retinal-binding-protein] + NAD⁺ = 11-cis-retinal-[retinol-binding-protein] + NADH + H⁺

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.