

Product datasheet

Recombinant Human DHCR7 protein ab158282

1 Image

Description

Product name	Recombinant Human DHCR7 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MAAKLQPNIKAKSLDGVTDNDRTASQQQWGRAWVEVDWF SLASVIFLLLFA PFVYYFIMACDQYSCALTGPVVDVMTGHARLSDIWAKTPPI TRKAAQLY TLWVTFQVLLYTSPLPDFCHKFLPGYVGGIQEGAVTPAGVV NKYQINGLQA WLLTHLLWFANAHLWSWFSPTIIFDNWIPLLWCANILGYAV STFAMVKGY FFPTSARDCKFTGNFFNYMMGIEFNPRIGKWFDKLFNF GRPGVAWTL INLSFAAKQRELHSHVTNAMVLVNVLQAIMIDFFWNETWY LKTIDICHD HFGWYLGWGDCVWLPYLYTLQGLYLVYHPVQLSTPHAVG VLLLGLVGYYI FRVANHQKDLFRRTDGRCLWGRKPKVIECSYTSADGQR HHSKLLVSGFW GVARHFNYGDLMGSLAYCLACGGGHLLPYFYIYMAILLTH RCLRDEHR CASKYGRDWERYTAAVPYRLLPGIF</p>
Amino acids	1 to 475
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab158282** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot
	ELISA

Form Liquid

Additional notes

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

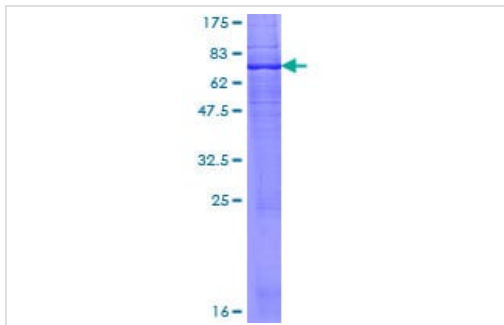
Relevance

The DHCR7 gene encodes delta-7-sterol reductase (EC 1.3.1.21), the penultimate enzyme of mammalian sterol biosynthesis that converts 7-dehydrocholesterol (7-DHC) to cholesterol. This enzyme removes the C(7-8) double bond introduced by the sterol delta8-delta7 isomerases. In addition, its role in drug-induced malformations is known: inhibitors of the last step of cholesterol biosynthesis such as AY9944 and BM15766 severely impair brain development (Moebius et al., 1998 [PubMed 9465114]).[OMIM]

Cellular localization

Endoplasmic reticulum membrane; Multi-pass membrane protein

Images



ab158282 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human DHCR7 protein
(ab158282)

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