

Recombinant Human DHCR7 protein ab158282

1 Image

Description	
Product name	Recombinant Human DHCR7 protein
Expression system	Wheat germ
Accession	<u>Q9UBM7</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAAKLQPNIPKAKSLDGVTDNRTASQGQWGRAWVEVDWF SLASVIFLLLFA PFVYYFIMACDQYSCALTGPVVDIVTGHARLSDIWAKTPPI TRKAAQLY TLWVTFQVLLYTSLPDFCHKFLPGYVGGIQEGAVTPAGVV NKYQINGLQA WLLTHLLWFANAHLLSWFSPTIIFDNWIPLLWCANILGYAV STFAMVKGY FFPTSARDCKFTGNFFYNYMMGIEFNPRIGKWFDKLFNF GRPGIVAWTL INLSFAAKQRELHSHVTNAMVLVNVLQAMVIDFFWNETWY LKTIDICH HFGWYLGWGDCVWLPYLYTLQGLYLVYHPVQLSTPHAVG VLLLGLVGYYI FRVANHQKDLFRRTDGRCLWGRKPKVIECSYTSADGQR HHSKLLVSGFW GVARHFNYVGDLMGSLAYCLACGGGHLLPYFYIYMAILLTH RCLRDEHR CASKYGRDWERYTAAVPYRLLPGIF
Amino acids	1 to 475
Tags	GST tag N-Terminus

Specifications	
Our <b>Abpromise guarantee</b> covers the use of <b>ab158282</b> 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

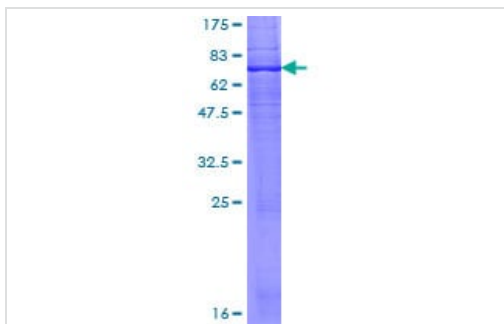
**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.31% Glutathione, 0.79% Tris HCl

## 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



SDS-PAGE - Recombinant Human DHCR7 protein  
(ab158282)

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

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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