

Recombinant Human DHCR24 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHCR24-5686H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHCR24 MS Standard C13 and N15-labeled recombinant protein (NP_055577) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a flavin adenine dinucleotide (FAD)-dependent oxidoreductase which catalyzes the reduction of the delta-24 double bond of sterol intermediates during cholesterol biosynthesis. The protein contains a leader sequence that directs it to the endoplasmic reticulum membrane. Missense mutations in this gene have been associated with desmosterolosis. Also, reduced expression of the gene occurs in the temporal cortex of Alzheimer disease patients and overexpression has been observed in adrenal gland cancer cells.
Molecular Mass	60.1 kDa
AA Sequence	MEPAVSLAVCALLFLLWVRLKGLEFVLIHQRWVVFVCLFLLPLSLIFDIYYYVRAWVVK LSSAPRLHEQVRVDIQKQVREWKEQGSKTFMCTGRPGWLTVSLRVGKYKKTHKNI MINLMDILEVDTKKQIVRVEPLVTMGQVTALLTSIGWTLVLPPELDDLTVGGIMGTGI ESSSHKYGLFQHICTAYELVLADGSFVRCTPSENSDLFYAVPWSCGTGLGFLVAAEIRI IPAKKYVKLRFEPVRGLEAICAKFTHESQRQENHFVEGLLYSLDEAVIMTGVMTDEAE PSKLNSIGNYYKPWFFKHVENYLKTNREGLEYIPLRHYYHRHTRSIFWELQDIIPFGN

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NPIFRYLFGWMVPPKISLLKLTQGETLRKLYEQHHVVQDMLVPMKCLQQALHTFQN
 DIHVYPIWLCPFILPSQPGLVHPKGNEAELYIDIGAYGEPRVKHFEARSCMRQLEKFV
 RSVHGFQMLYADCYMNREEFWEMFDGSLYHKLREKLGCQDAFPEVYDKICKAARH
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [DHCR24 24-dehydrocholesterol reductase \[Homo sapiens \(human\) \]](#)

Official Symbol [DHCR24](#)

Synonyms DHCR24; 24-dehydrocholesterol reductase; delta(24)-sterol reductase; KIAA0018; seladin 1; diminuto/dwarf1 homolog; selective AD indicator 1; desmosterol-to-cholesterol enzyme; 3 beta-hydroxysterol delta 24-reductase; 3-beta-hydroxysterol delta-24-reductase; DCE; SELADIN1; Nbla03646; seladin-1;

Gene ID [1718](#)

mRNA Refseq [NM_014762](#)

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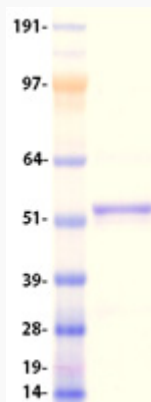
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Protein Refseq [NP_055577](#)

MIM [606418](#)

UniProt ID [Q15392](#)

SDS-PAGE



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