Recombinant Full Length Human DHCR24 Protein, C-Flag-tagged

Cat. No. DHCR24-2126HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DHCR24 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.6 kDa
AA Sequence	MEPAVSLAVCALLFLLWVRLKGLEFVLIHQRWVFVCLFLLPLSLIFDIYYYVRAWVVFK LSSAPRLHEQR VRDIQKQVREWKEQGSKTFMCTGRPGWLTVSLRVGKYKKTHKNI MINLMDILEVDTKKQIVRVEPLVTMG QVTALLTSIGWTLPVLPELDDLTVGGLIMGTGI ESSSHKYGLFQHICTAYELVLADGSFVRCTPSENSDL FYAVPWSCGTLGFLVAAEIR IIPAKKYVKLRFEPVRGLEAICAKFTHESQRQENHFVEGLLYSLDEAVIM TGVMTDEA

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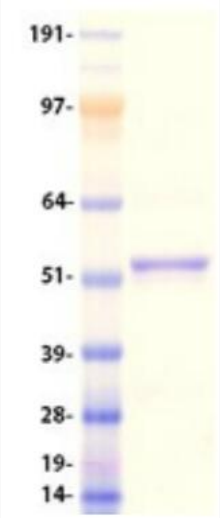
	EPSKLNSIGNYYKPWFFKHVENYLKTNREGLEYIPLRHYYHRHTRSIFWELQDIIPFG NNPI FRYLFGWMVPPKISLLKLTQGETLRKLYEQHHVVQDMLVPMKCLQQALHTFQ NDIHVYPIWLCPFILPSQ PGLVHPKGNEAELYIDIGAYGEPRVKHFEARSCMRQLEK FVRSVHGFQMLYADCYMNREEFWEMFDGSLY HKLREKLGCQDAFPEVYDKICKAA RH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Stem cell - Pluripotency, Transmembrane
Protein Pathways	Metabolic pathways, Steroid biosynthesis
Full Length	Full L.

GENE INFORMATION

Gene Name	DHCR24 24-dehydrocholesterol reductase [Homo sapiens (human)]
Official Symbol	DHCR24
Synonyms	DCE; SELADIN1; Nbla03646; seladin-1

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Gene ID	1718
mRNA Refseq	NM_014762.4
Protein Refseq	NP_055577.1
MIM	606418
UniProt ID	Q15392



Coomassie blue staining of purified DHCR24 protein.

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