

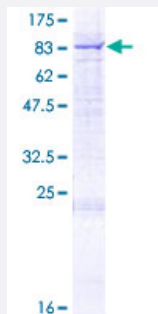
Full-Length

DHCR24 (Human) Recombinant Protein (P01)

Catalog # H00001718-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DHCR24 full-length ORF (NP_055577.1, 1 a.a. - 516 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEPAVSLAVCALLFLLWVRLKGLEFVLIHQRWVFCVCLFLLPLSLIFDIYYVRAWVFKLSSAPRLH
EQVRDIQKQVREWKEQGSKTFMCTGRPGWLTVSLRVGKYKKTHKNIMINLMDILEVDTKKQMRV
EPLVTMGQVTALLTSIGWTLPLPELDDLTVGGIMGTGIESSSHKYGLFQHICTAYELVLADGSFV
RCTPSENSDLFYAVPWSCGTGLGFLVAAEIRIIPAKKYVKLRFEPVRGLEAICAKFTHEsqRQENHF
VEGLLYSLDEAVIMTGVMTDEAEPskLNSIGNYYKPWFFKHVENYLKTNREGLEYIPLRHYHHRHTR
SIFWELQDIIPFGNNPIFRYLFGWMVPPKISLLKL TQGETLRKLYEQHHVVQDMLVPMKCLQQALHT
FQNDIHVYPIWLCPIFSPQGLVHPKGNEAELYIDIGAYGEPRVKHFEARSCMRQLEKFVRSVHG
FQMLYADCYMNREEFWEMFDGSLYHKLREKLGCQDAFPEVYDKICKAARH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86.5

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DHCR24

Entrez GeneID	1718
GeneBank Accession#	NM_014762.2
Protein Accession#	NP_055577.1
Gene Name	DHCR24
Gene Alias	KIAA0018, Nbla03646, SELADIN1, seladin-1
Gene Description	24-dehydrocholesterol reductase
Omim ID	602398 606418
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	3 beta-hydroxysterol delta 24-reductase OTTHUMP00000011685 diminuto/dwarf1 homolog putative protein product of Nbla03646 selective AD indicator 1

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Steroid biosynthesis](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diseases in Twins](#)
- [Ductus Arteriosus](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Lung Neoplasms](#)
- [Obstetric Labor](#)