

Product datasheet for TP303507

Seladin 1 (DHCR24) (NM_014762) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human 24-dehydrocholesterol reductase (DHCR24), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC203507 representing NM_014762
Red=Cloning site **Green**=Tags(s)

MEPAVSLAVCALLFLLWVRLKGLEFVLIHQRWVFCVLLPLSLIFDIYYYYVRAWVFKLSSAPRLHEQR
VRDIQKQVREWKEQGSKTFMCTGRPGWLVSLRVGKYKKTHKNIMINLMDILEVDTKKQIVRVEPLVTMG
QVTALLTSIGWTLPLPELDDLTVGGLIMGTGISSSHKYGLFQHICTAYELVLADGSFVRCTPSENSDL
FYAVPWSCGTLGFLVAAEIRIIPAKKYVKLRFEPVRGLEAICAKFTHESQRQENHFVEGLLYSLDEAVIM
TGVMTDEAEPKLSNSIGNYYKPVFFKHVENYLKTNREGLEYIPLRHYYHRHTRSIFWELQDIIPFGNNPI
FRYLFGWVMPKISLLKLTQGETLRKLYEQHHVVDMLVPMKCLQQALHTFQNDIHVYPIWLCPFILPSQ
PGLVHPKGNEAELYIDIGAYGEPVKHFEARSCMRQLEKRVRSVHGFQMLYADCYMNREEFWEMFDGSL
Y
HKLREKLGQCDAFPEVYDKICKAARH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

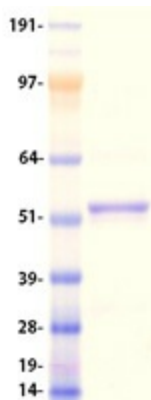
Tag: C-Myc/DDK
Predicted MW: 57.6 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055577
Locus ID:	1718
UniProt ID:	Q15392
RefSeq Size:	4286
Cytogenetics:	1p32.3
RefSeq ORF:	1548
Synonyms:	DCE; Nbla03646; seladin-1; SELADIN1
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, Jul 2008]
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transmembrane
Protein Pathways:	Metabolic pathways, Steroid biosynthesis

Product images:



Coomassie blue staining of purified DHCR24 protein (Cat# TP303507). The protein was produced from HEK293T cells transfected with DHCR24 cDNA clone (Cat# [RC203507]) using MegaTran 2.0 (Cat# [TT210002]).