

Product datasheet for PH303507

Seladin 1 (DHCR24) (NM_014762) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DHCR24 MS Standard C13 and N15-labeled recombinant protein (NP_055577)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203507
Predicted MW:	60.1 kDa
Protein Sequence:	>RC203507 representing NM_014762 Red=Cloning site Green=Tags(s)

MEPAVSLAVCALLFLLWVRLKGLEFVLIHQWVVFVCLFLLPLSLIFDIYYVRAWVVFVFKLSSAPRLHEQR
VRDIQKQVREWKEQGSKTFMCTGRPGWLVSLRVGKYKKTHKNIMINLMDILEVDTKKQIVRVEPLVTMG
QVTALLTSIGWTLPVLPDLTVGGLIMGTGIESSSHKYGLFQHICTAYELVLADGSFVRCPTSENSDL
FYAVPWSGTLGFLVAAEIRIIPAKKYVKLRFEPVRGLEAICAKFTHEQSQENHFVEGLLYSLDEAVIM
TGVMTDEAEPKLSIGNYYKPWFVKHVENYLKTNREGLEYIPLRHHYHRHRSIFWELQDIIPFGNPI
FRYLFQWVPPKISLLKLTQGETLRKLYEQHHVVQDMLVPMKCLQQALHTFQNDIHVYPIWLCPFILPSQ
PGLVHPKGNEAELYIDIGAYGEPVKHFEARSCMRQLEKFVRSVHGFQMLYADCYMNREEFWEMFDGSLY
HKLREKLGCDQAFPEVYDKICKAARH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055577
RefSeq Size:	4286
RefSeq ORF:	1548



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Synonyms: DCE; Nbla03646; seladin-1; SELADIN1

Locus ID: 1718

UniProt ID: [Q15392](#)

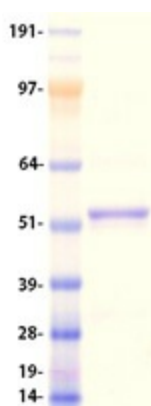
Cytogenetics: 1p32.3

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]).