

Recombinant Human SMARCAD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SMARCAD1-5273H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMARCAD1 MS Standard C13 and N15-labeled recombinant protein (NP_064544) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the SNF subfamily of helicase proteins. The encoded protein plays a critical role in the restoration of heterochromatin organization and propagation of epigenetic patterns following DNA replication by mediating histone H3/H4 deacetylation. Mutations in this gene are associated with adermatoglyphia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	117.6 kDa
AA Sequence	MNLFNLD RFRFEKRNKIEE APEATPQPSQPGPSSPISLSAEEENAEGEVSRANTPDS DITEKTEDSSVPETPDNERKASISYFKNQRGIQYIDLSSDSEDVVPNCNSNTVQEKTF NKDTVII VSEPESEDEESQGLPTMARRNDDISELEDLSELEDLKD AQLQTLKELFPQRS DNDLLKLIESTSTMDGAIAAALLMFGDAGGGPRKRKLSSSSEPYEEDEFNDDQSIKK TRLDHGEESNESAESSNNWEKQESIVLKLQKEFPNFDKQELREVLKEHEW MYTEAL ESLKVFAEDQDMQYASQSEVPNGKEVSSRSQNYPKNATKTKLKQKFSMKAQNGFN KKRKKNVFNQKRVEDSEYDSGSDVGSSLD EDYSSGEEVMEDGYKGKILHFLQDA

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SIGELTLIPQCSQKKAQKITELRPFNSWEALFTKMSKTNGLSIEDLIWHCKTLIQERDV
 VIRLMNKCEDISNKLTKQVTMLTGNGGGWNIEQPSILNQSLSLKPYQKVGLNWLALV
 HKHGLNGILADEMGLGKTIQAIAFLAYLYQEGNNGPHLIVVPASTIDNWLREVNWLWCP
 TLKVLCCYYGSQEERKQIRFNIHSRYEDYNVIVTTYNCAISSDDRS�FRRLKLNIAIFD
 EGHMLKNMGSIQYQHLMTINANNRLLLTGTPVQNNLLELMSLLNFVMPHMFSSSTSE
 IRRMFSSKTKSADEQSIYEKERIAHAKQIIPFILRRVKEEVKQLPCKKDRIELCAMSE
 KQEQLYLGLFNRLKKSINNLVTEKNTEMCNVMMQLRKMANHPLLHRQYYTAEKLKE
 MSQMLKEPTHCEANPDLIFEDMEVMTDFELHVLCKQYRHINNFQLDMDLILDSGKF
 RVLGCILSELKQKGDRVVLFSQFTMMLDILEVLLKHHQHRYLRDLGKTQISERIHIDE
 FNTDMDIFVLLSTKAGGLGINLTSANVVILHDIDCNPYNDKQAEDRCHRVGQTKEAL
 VIKLISQGTIEESMLKINQQKLKLEQDMTTVDEGDEGSMPADIATLLKTSMLTRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

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	SMARCAD1 SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1 [Homo sapiens (human)]
Official Symbol	SMARCAD1

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Synonyms SMARCAD1; SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1; DKFZp762K2015; DKFZP762K2015; ETL1; KIAA1122; ATP-dependent helicase 1; HEL1; ADERM;

Gene ID [56916](#)

mRNA Refseq [NM_020159](#)

Protein Refseq [NP_064544](#)

MIM [612761](#)

UniProt ID [Q9H4L7](#)

SDS-PAGE

