

Product datasheet for **TP510897**

Smarcad1 (BC042442) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1^o, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR210897 representing BC042442
Red=Cloning site **Green**=Tags(s)

MDGAIAAALLMFGDAGGGPRKRKLSSESSEDDVNDQSVKQPRGDRGEESNESAEASSNWEKQESIVLKL
QKEFPNFDKQELREVLKEHEWMYTEALESKVAEDQDVQCASQSEVTNGKEVARNQNYSKNATKIKMKQ
KISVKPQNGFNKRKKNVFNPKKAVEDSEYDSGSDAGSSLEDEYSSCEEVMEDGYKGKILHFLQVSSIAE
LTLIPKCSQKKAQKITELRPFNNWEALFTKMSKINGLSEDLIWNCKTVIQRDVVIRLMNKCEDISNKL
KQVTMLTGNGGGWNREQPSLLNQSLKPYQKVLNWLALVHKHGLNGLADEMGLGKTIQAI AFLAYLF
QEGNKGPLHIVPASTIDNWLREVNLCPSLNLVLCYGSQEERKQIRFNIHNKYEDYNVIVTTYNCAISS
SDDRSLFRRLKLNIAIFDEGHMLKMNMGSIYQHLMTINARNRLLLTGTPVQNNLLELMSLLNFVMPHMF
SSTSEIRRMFSSKTKPADEQSIYEKERIAHAKQIIKPFILRRVKEEVLKLLPPKKDRIELCAMSEKQEQL
YSGLFNRLKKSINNLEKNTEMCNVMMLRKMANTHPLLHRQYYTPELKEMSQLMLKEPTHCEANPDLIFE
DMEVMTDFELHVLCKQYQHINSYQLDMDLILDSGKFRALGCILSELKQKGDVVFVFSQFTMMLDILEVLL
KHHQHRYLRLDGKTQISERIHIDEFNTDMDIFVLLSTKAGGLGINLTSANVVILHDIDCNPYNDKQAE
DRCHRVGQTKEVLVIKLISQGTIEESMLKINQQKLEQDMTTVDEADEGSMADIATLLKTSMGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 153.7 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

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



[View online »](#)

Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	13990
UniProt ID:	Q04692
RefSeq Size:	4193
Cytogenetics:	6 30.11 cM
RefSeq ORF:	2508
Synonyms:	AV081750; AW226546; D6Pas1; Etl1; mKIAA1122
Summary:	DNA helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity and is both required for DNA repair and heterochromatin organization. Promotes DNA end resection of double-strand breaks (DSBs) following DNA damage: probably acts by weakening histone DNA interactions in nucleosomes flanking DSBs. Required for the restoration of heterochromatin organization after replication. Acts at replication sites to facilitate the maintenance of heterochromatin by directing H3 and H4 histones deacetylation, H3 'Lys-9' trimethylation (H3K9me3) and restoration of silencing (By similarity).[UniProtKB/Swiss-Prot Function]