

Recombinant Human SATB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SATB1-6319H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SATB1 MS Standard C13 and N15-labeled recombinant protein (NP_002962) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a matrix protein which binds nuclear matrix and scaffold-associating DNAs through a unique nuclear architecture. The protein recruits chromatin-remodeling factors in order to regulate chromatin structure and gene expression.
Molecular Mass	86 kDa
AA Sequence	MDHLNEATQGKEHSEMSNNVSDPKGPPAKIARLEQNGSPLGRGRLGSTGAKMQG VPLKHSGHLMKTNLRKGTMLPVFCVVEHYENAIEYDCKEEHAEFVLVRKDMLFNQLI EMALLSLGYSHSSAAQAKGLIQVGKWNVPVPLSYVTDAPDATVADMLQDVYHVVTLKI QLHSCPKLEDLPPEQWSHTTVRNALKDLLKDMNQSSLAKECPLSQSMISSIVNSTYY ANVSAAKCQEFGRWYKHFKKTKDMMVEMDSLSELSQQGANHVNFGQQPVPGNTA EQPPSPAQLSHGSQPSVRTPLPNLHPGLVSTPISPQLVNQQLVMAQLLNQYAVNR LLAQQLNQQYLNHPPPVSRSMNKPLEQQVSTNTEVSSEIYQWVRDELKRAGISQA VFARVAFNRTQGLLSEILRKEEDPKTASQSLVNLRAMQNFLQLPEAERDRIYQDER ERSLNAASAMGPAPLISTPPSRPPQVKTATIATERNKGKPENNTMNINASIYDEIQQEM

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KRAKVSQALFAKVAATKSQGWLCCELLRWKEDPSPENRTLWENLSMIRRFSLPQPE
 RDAIYEQESNAVHHHGDRPPHIIHVP AEQIQQQQQQQQQQQQQQAPPPQPQQ
 QPQTGPRLPPRQPTVASPAESDEENRQKTRPRTKISVEALGILQSFIQDVGLYPDEE
 AIQTLQAQLDLPKYTIKFFQNQRYYLKHHGKLKDNSGLEVDVAEYKEEELLKDLEES
 VQDKNTNTLFSVKLEEELSVEGNTDINTDLKDTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

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 SATB1 SATB homeobox 1 [Homo sapiens (human)]

Official Symbol SATB1

Synonyms SATB1; SATB homeobox 1; special AT rich sequence binding protein 1 (binds to nuclear matrix/scaffold associating DNA); DNA-binding protein SATB1; special AT-rich sequence-binding protein 1; special AT-rich sequence binding protein 1 (binds to nuclear matrix/scaffold-associating DNA);

Gene ID 6304

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mRNA Refseq [NM_002971](#)

Protein Refseq [NP_002962](#)

MIM [602075](#)

UniProt ID [Q01826](#)

SDS-PAGE



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