

Recombinant Full Length Human SATB1 Protein, C-Flag-tagged

Cat. No. SATB1-377HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SATB1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	85.8 kDa
AA Sequence	MDHLNEATQGKEHSEMSNNVSDPKGPPAKIARLEQNGSPLGRGRLGSTGAKMQG VPLKHSGHLMKTNLRK GTMLPVFCVVEHYENAI EYDCKEEHAEFVLVRKDMLFNQLI EMALLSLGYSHSSAAQAKGLIQVGKWNPV PLSYVTDAPDATVADMLQDVYHVVTLK IQLHSCP KLEDLPPEQWSHTTVRNALKDLLKDMNQSSLAKECP LSQSMISSIVNSTY YANVSAAKCQEFGRWYKHFKKTKDMMVEMDSLSELSQQGANHVNFQGPVPGNT AE QPPSPAQLSHGSQPSVRTPLPNLHPGLVSTPISPQLVNQQQLVMAQLLNQQYAVN RLLAQQSLNQQYLNHP PPVSRSMNKP LEQQVSTNTEVSSEIYQWVRDELKRAGIS QAVFARVAFNRTQGLLSEILRKEEDPKTASQ SLLVNL RAMQNFLQLPEAERDRIYQD

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ERERSLNAASAMGPAPLISTPPSRPPQVKTATIATERNKGK PENN TMNINASIYDEIQQ
 EMKRAKVSQALFAKVAATKSQGWLCCELLRWKEDPSPENRTLWENLSMIRRFSLPQ
 PERDAIYEQESNAVHHHGDRPPHIIHVP AEQIQQQQQQQQQQQQQQAPPPPQPQ
 QQPQTGPRLPPRQPT VASPAESDEENRQKTRPRTKISVEALGILQSFIQDVGLYPDE
 EAIQTL SAQLDLPKYTIKFFQNQRYYL
 KHHGKLKDNSGLEVDVAEYKEEELLKDLEESVQDKNTNTLFSVKLEEELSVEGNTDI
 NTDLKDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	SATB1 SATB homeobox 1 [Homo sapiens (human)]
Official Symbol	SATB1
Synonyms	DEFDA; KTZSL

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Gene ID	6304
mRNA Refseq	NM_002971.6
Protein Refseq	NP_002962.1
MIM	602075
UniProt ID	Q01826



Coomassie blue staining of purified SATB1 protein.