

Product datasheet for TP510533

Satb1 (NM_009122) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse special AT-rich sequence binding protein 1 (Satb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	<p>>MR210533 representing NM_009122</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MDHLNEATQGKEHSEMSNNVSDPKGPPAKIARLEQNGSPLGRGRLGSTGGKMQGVPLKHSGLMKTN LRK GTMLPVFCVWEHYENAIEYDCKEEHAEFVLVRKDMFLNQLIEMALLSLGYSHSSAAQAKGLIQVGKWNPV PLSYVTDAPDATVADMLQDVYHVTLKIQLHSCPKLEDLPPEQWSHTTVRNALKDLLKDMNQSSLAKEC P LSQSMISSIVNSTYYANVSAACQEFGRWYKHFKKTKDMMVEMDSLSELSQQGANHVNFQQPVPNGT AE QPPSPAQLSHGSQPSVRTPLPNLHPGLVSTPISPQLVNQQLVMAQLLNQYAVNRLLAQQLNQQYLN HP PPVSRSMNKPLeqqvstnteVSSEIYQWVRDELKragisQAVFARVAFNRTQGLLSEILRKEEDPKTASQ SLLVNLramqnflqlPEaERDRIYQDERERSLNAASAMGPAPLLSTPPSRPPQVKtATLATERNGKPENN TMNINASIYDEIQqEMKRAKVSQALFAKVAATKSQGWLCeLLRWKEDPSPENRTLWENLSMIRRFSLPQ PERDAIYEQESNAVHHHGDRPPHIIHVPAEQIQQQQQQQQQQQQQPPPPPPPPQPQPQAGPRLP PRQP TVASSAESDEENRQKTRPRTKISVEALGILQSFIQDVGLYPDEEAIQTLSAQLDLPKYTIKFFQNQRYY LKHGKLDNSGLEVDVAEYKDEELLKDLEESVQDKNANTLFSVKLEEELSVEGSTDVNADLKD</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	85.9 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


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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
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.
RefSeq:	<u>NP_033148</u>
Locus ID:	20230
UniProt ID:	<u>Q60611</u>
RefSeq Size:	6228
Cytogenetics:	17 C
RefSeq ORF:	2292
Synonyms:	2610306G12Rik; AW413156
Summary:	Required for the switching of fetal globin species, and beta- and gamma-globin genes regulation during erythroid differentiation. Plays a role in chromatin organization and nuclear architecture during apoptosis (By similarity). Crucial silencing factor contributing to the initiation of X inactivation mediated by Xist RNA that occurs during embryogenesis and in lymphoma. Binds to DNA at special AT-rich sequences, the consensus SATB1-binding sequence (CSBS), at nuclear matrix- or scaffold-associated regions. Thought to recognize the sugar-phosphate structure of double-stranded DNA. Transcriptional repressor controlling nuclear and viral gene expression in a phosphorylated and acetylated status-dependent manner, by binding to matrix attachment regions (MARs) of DNA and inducing a local chromatin-loop remodeling. Acts as a docking site for several chromatin remodeling enzymes and also by recruiting corepressors (HDACs) or coactivators (HATs) directly to promoters and enhancers. Modulates genes that are essential in the maturation of the immune T-cell CD8SP from thymocytes.[UniProtKB/Swiss-Prot Function]