Recombinant Human SATB1 Protein, His-tagged

Cat. No. SATB1-2519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SATB1 protein(NP_001124482.1)(415-763 aa) was expressed in E.coli with a N-terminal His tag.
Species	Human
Source	E.coli
ProteinLength	415-763 aa
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	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
Bio-activity	Not Tested
AA Sequence	PKTASQSLLVNLRAMQNFLQLPEAERDRIYQDERERSLNAASAMGPAPLISTPPSRP PQVKTATIATERNGKPENNTMNINASIYDEIQQEMKRAKVSQALFAKVAATKSQGWL CELLRWKEDPSPENRTLWENLSMIRRFLSLPQPERDAIYEQESNAVHHHGDRPPHII HVPAEQIQQQQQQQQQQQQQQAPPPPQPQQQPQTGPRLPPRQPTVASPAESD EENRQKTRPRTKISVEALGILQSFIQDVGLYPDEEAIQTLSAQLDLPKYTIIKFFQNQR

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	YYLKHHGKLKDNSGLEVDVAEYKEEELLKDLEESVQDKNTNTLFSVKLEEELSVEGNTDINTDLKD
Endotoxin	Please contact the lab for more information.
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Applications	Blocking peptide
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 ḡ/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name	SATB1 SATB homeobox 1 [Homo sapiens (human)]
Official Symbol	SATB1

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Synonyms	SATB1
Gene ID	6304
mRNA Refseq	NM_001131010.4
Protein Refseq	NP_001124482.1
MIM	602075
UniProt ID	Q01826
SDS-PAGE of SATB1-2519H	

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