

Datasheet for ABIN7555318
SATB2 Protein (AA 1-733) (His tag)



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Overview

Quantity:	1 mg
Target:	SATB2
Protein Characteristics:	AA 1-733
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SATB2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SATB2 Protein expressed in mammalian cells.
Sequence:	MERRSESPCL RDSPDRRSGS PDVKGPPPVK VARLEQNGSP MGARGRPNGA VAKAVGGLMI PVFCVVEQLD GSLEYDNREE HAEFVLVRKD VLFSQLVETA LLALGYSHSS AAQAQGIKL GRWNPLPLSY VTDAPDATVA DMLQDVYHVW TLKIQLQSCS KLEDLPAEQW NHATVRNALK ELLKEMNQST LAKECPLSQS MISSIVNSTY YANVSATKCQ EFGRWYKYYK KIKVERVERE NLSDYCVLGQ RPMHLPNMNQ LASLGKTNEQ SPSHQIHHST PIRNQVPALQ PIMSPGLLSP QLSPQLVRQQ IAMAHLINQQ IAVSRLLAHQ HPQAINQQFL NHPPIPRAVK PEPTNSSVEV SPDIYQQVRD ELKRASVSQA VFARVAFNRT QGLLSEILRK EEDPRTASQS LLVNLRAMQN FLNLPEVERD RIYQDERERS MNPNVSMVSS ASSSPSSSRT PQAKTSTPTT DLPIKVDGAN INITAAIYDE IQQEMKRAKV SQALFAKVA NKSQGWLCEL LRWKENPSPE NRTLWENLCT IRRFNLNPQH ERDVIYEEES RHHHSERMQH VVQLPPEPVQ VLHRQQSQPA KESSPPREEA PPPPPTEDS CAKKPRSRTK ISLEALGILQ SFIHDVGLYP DQEAHITLSA QLDLPKHTII KFFQNQRYHV KHHGKLKEHL GSAVDVAEYK DEELLTESEE NDSEEGSEEM YKVEAEEENA

Product Details

DKSKAAPAEI DQR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: SATB2

Alternative Name: SATB2 ([SATB2 Products](#))

Background: DNA-binding protein SATB2 (Special AT-rich sequence-binding protein 2),FUNCTION: Binds to DNA, at nuclear matrix- or scaffold-associated regions. Thought to recognize the sugar-phosphate structure of double-stranded DNA. Transcription factor controlling nuclear gene expression, 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. Required for the initiation of the upper-layer neurons (UL1) specific genetic program and for the inactivation of deep-layer neurons (DL) and UL2 specific genes, probably by

Target Details

modulating BCL11B expression. Repressor of CtIP2 and regulatory determinant of corticocortical connections in the developing cerebral cortex. May play an important role in palate formation. Acts as a molecular node in a transcriptional network regulating skeletal development and osteoblast differentiation. {ECO:0000269|PubMed:14701874}.

Molecular Weight: 82.6 kDa

UniProt: [Q9UPW6](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months