重组人ZBT21蛋白

Recombinant ZBT21 protein (His tag)

目录号 Catalog Number	546228
同用名 Synonyms	Zinc finger protein 295
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q9ULJ3
分子量 Molecular Weight	Predictes a molecular mass of 14.33 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band. (High content of acidic amino acids accelerates protein migration in SDS-PAGE, leading to lower apparent molecular weight.)

产品信息

氨基酸序列 Amino Acid Sequence	MEGLLHYINP AHAISLLSAL NEERLKGQLC DVLLIVGDQK FRAHKNVLAA SSEYFQSLFT NKENESQTVF QLDFCEPDAF DNVLNYIYSS SLFVEKSSLA AVQELGYSLG ISFLTNIVSL EHHHHHH
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 1-119 aa (Q9ULJ3) were fused with C-terminal 6His tag.

保存与运输

复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 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.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

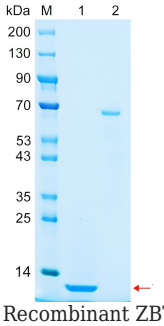
功能描述

研究背景 Background

Recombinant Human ZBTB21 (1-119) fragment is a high-purity protein product encompassing the BTB domain of Zinc finger and BTB domain-containing protein 21. This fragment serves as an essential tool for investigating the domain-specific transcriptional repressor functions of ZBTB21 in cellular regulation.
Zinc finger and BTB domain-containing protein 21 (ZBTB21), encoded by the gene ZBTB21, functions as a transcription repressor, playing a key role in modulating gene expression. It is localized to the nucleus, where it colocalizes with ZBTB14 in HEK293 cells, indicating its involvement in nuclear regulatory complexes. The BTB domain, contained within this recombinant fragment (amino acids 30-96), is critical for protein-protein interactions and repression activity, making this product valuable for studying the mechanistic basis of ZBTB21-mediated transcriptional control.

验证数据

SDS-PAGE



Recombinant ZBT21 protein (His tag) SDS-PAGE
M: Marker; Lane 1: ZBT21; Lane 2: BSA