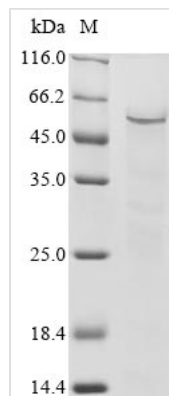




Recombinant Human Zinc finger and SCAN domain-containing protein 1 (ZSCAN1)

Product Code	CSB-BP843315HU
Abbreviation	Recombinant Human ZSCAN1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8NBB4
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MLPRPKAPASPRRPQTPTPSEQDADPGPASPRDTEAQLRFRQFQYHVASG PHLALGQLWTLCRQWLRPEARSKEQMLELLVLEQFLGALPSKMRTWVQSQG PRSCREAASLVEDLTQMCQQEVLVSLDSVEPQDWSFGEEEDGKSPRSQKEP SQASELILDAVAAAPALPEESEWLETTQLQQSLHTRAEAEAPRAPGLLGSRAR LPLKPSIWDEPEDLLAGPSSDLRAEGTVISSPKGPSAQRISPRRRNRNTDQSG RHQPSLKHTKGGTQEAVAGISVVRGPRGGRPFQCADCGMVFTWVTHFIEH QKTHREEGPFPCPECGKVFLHNSVLTEHGKIHLLEPPRKKAPRSKGPRESVPP RDGAQGPVAPRSPKRPFQCSVCGKAFPWMVHLIDHQLHTAHGHM
Research Area	others
Source	Baculovirus
Target Names	ZSCAN1
Expression Region	1-408aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	49.2 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Amino acids 1-408 form the expressed segment for recombinant Human ZSCAN1. The calculated molecular weight for this ZSCAN1 protein is 49.2 kDa. Expression of this ZSCAN1 protein is conducted in baculovirus. The ZSCAN1 gene fragment has been modified by fusing the N-terminal 10xHis tag and C-terminal Myc tag, providing convenience in detecting and purifying the recombinant ZSCAN1 protein during the following stages.

Human Zinc finger and SCAN domain-containing protein 1 (ZSCAN1) plays a role in transcriptional regulation and genomic stability. As a member of the zinc finger protein family, ZSCAN1 contains SCAN domains, which are involved in protein-protein interactions. ZSCAN1 is primarily known for its unique ability to bind to specific DNA sequences and regulate gene expression, making it crucial in controlling cellular processes. Additionally, ZSCAN1 has implications for maintaining genomic integrity by participating in DNA repair mechanisms. Research on ZSCAN1 continues to unravel its precise functions in transcriptional regulation and genome maintenance, contributing to the understanding of cellular processes and potential therapeutic targets for conditions associated with genomic instability.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.