

ZNF281 抗原（重组蛋白）

中文名称： ZNF281 抗原（重组蛋白）

英文名称： ZNF281 Antigen (Recombinant Protein)

别名： zinc finger protein 281; ZBP-99; ZNP-99

相关类别： 抗原

储存： 冷冻（-20℃）

概述

Fusion protein corresponding to a region derived from 696-895 amino acids of human ZNF281

技术规格

Full name:	zinc finger protein 281
Synonyms:	ZBP-99; ZNP-99
Swissprot:	Q9Y2X9
Gene Accession:	BC060820
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. ZNF281, also known as GC-box-binding zinc finger protein 1, ZBP-99 or ZNP-99 (zinc finger DNA-binding protein 99), is a zinc finger protein that belongs to the Krüppel C2H2-type zinc finger protein family. It is expressed ubiquitously at low levels with predominant expression in kidney, liver, lymphocytes and placenta. ZNF281 localizes to the nucleus and contains four C2H2-type zinc fingers.

ZNF281 plays a role in repressing the transcription of a variety of genes including Gastrin and ODC (ornithine decarboxylase). In particular, ZNF281 functions by binding to the G-rich box in the enhancer region of the gene. Upon DNA damage, ZNF281 may become phosphorylated by Atm or ATR.