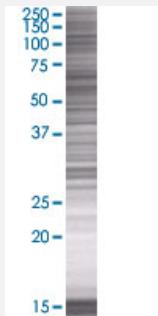


ZNF278 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00023598-T01

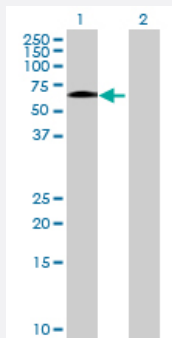
Size 100 uL

Applications



SDS-PAGE Gel

PATZ1 transfected lysate.



Western Blot

Lane 1: PATZ1 transfected lysate (59.18 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ZNF278 full-length
Host	Human
Theoretical MW (kDa)	59.18
Interspecies Antigen Sequence	Mouse (98); Rat (99)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ZNF278 antibody ([H00023598-B01](#)) by Western Blots.
SDS-PAGE Gel
PATZ1 transfected lysate.
Western Blot
Lane 1: PATZ1 transfected lysate (59.18 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PATZ1

Entrez GeneID[23598](#)**GeneBank Accession#**[NM_032051.1](#)**Protein Accession#**[NP_114440.1](#)**Gene Name**

PATZ1

Gene Alias

MAZR, PATZ, RIAZ, ZBTB19, ZNF278, ZSG, dJ400N23

Gene Description

POZ (BTB) and AT hook containing zinc finger 1

Omim ID[605165](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene contains an A-T hook DNA binding motif which usually binds to other DNA binding structures to play an important role in chromatin modeling and transcription regulation. Its Poz domain is thought to function as a site for protein-protein interaction and is required for transcriptional repression, and the zinc-fingers comprise the DNA binding domain. Since the encoded protein has typical features of a transcription factor, it is postulated to be a repressor of gene expression. In small round cell sarcoma, this gene is fused to EWS by a small inversion of 22q, then the hybrid is thought to be translocated (t(1;22)(p36.1;q12). The rearrangement of chromosome 22 involves intron 8 of EWS and exon 1 of this gene creating a chimeric sequence containing the transactivation domain of EWS fused to zinc finger domain of this protein. This is a distinct example of an intra-chromosomal rearrangement of chromosome 22. Four alternatively spliced transcript variants are described for this gene. [provided by RefSeq]

Other Designations

BTB-POZ domain zinc finger transcription factor|MAZ-related factor|POZ-AT hook-zinc finger protein|zinc finger protein 278

Disease

- [Azoospermia](#)
- [Genetic Predisposition to Disease](#)