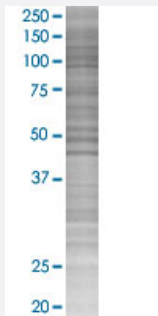


# PDF 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00064146-T02

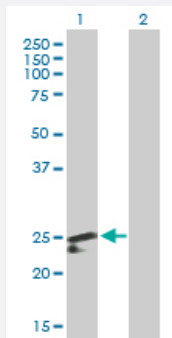
Size 100 uL

## Applications



### SDS-PAGE Gel

PDF transfected lysate.



### Western Blot

Lane 1: PDF transfected lysate ( 27.00 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-PDF full-length
Host	Human
Theoretical MW (kDa)	27
Interspecies Antigen Sequence	Mouse (77); Rat (73)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-PDF antibody ([H00064146-B01P](#)) by Western Blots.  
SDS-PAGE Gel  
PDF transfected lysate.  
Western Blot  
Lane 1: PDF transfected lysate ( 27.00 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 — PDF

**Entrez GeneID**

[64146](#)

**GeneBank Accession#**

[BC019912](#)

**Protein Accession#**

[AAH19912.1](#)

**Gene Name**

PDF

**Gene Alias**

-

**Gene Description**

peptide deformylase (mitochondrial)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

Protein synthesis proceeds after formylation of methionine by methionyl-tRNA formyl transferase (FMT) and transfer of the charged initiator f-met tRNA to the ribosome. In eubacteria and eukaryotic organelles the product of this gene, peptide deformylase (PDF), removes the formyl group from the initiating methionine of nascent peptides. In eubacteria, deformylation of nascent peptides is required for subsequent cleavage of initiating methionines by methionine aminopeptidase. The discovery that a natural inhibitor of PDF, actinonin, acts as an antimicrobial agent in some bacteria has spurred intensive research into the design of bacterial-specific PDF inhibitors. In human cells, only mitochondrial proteins have N-formylation of initiating methionines. Protein inhibitors of PDF or siRNAs of PDF block the growth of cancer cell lines but have no effect on normal cell growth. In humans, PDF function may therefore be restricted to rapidly growing cells. [provided by RefSeq]

**Other Designations**

peptide deformylase|peptide deformylase-like protein

## Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)