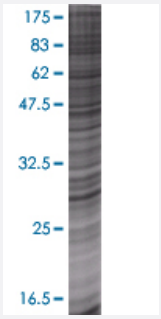
PNPO 293T Cell Transient Overexpression Lysate(Denatured)

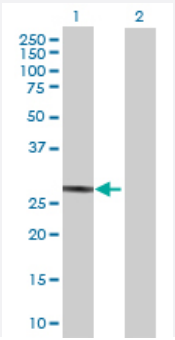
Catalog # H00055163-T01 Size 100 uL

Applications



SDS-PAGE Gel

PNPO transfected lysate.



Western Blot

Lane 1: PNPO transfected lysate (28.82 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PNPO full-length
Host	Human
Theoretical MW (kDa)	28.82
Interspecies Antigen Sequence	Mouse (90); Rat (89)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PNPO antibody (H00055163-B01) by Western Blots. SDS-PAGE Gel PNPO transfected lysate. Western Blot Lane 1: PNPO transfected lysate (28.82 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 — PNPO

Entrez GeneID	55163
GeneBank Accession#	NM_018129.1
Protein Accession#	NP_060599.1
Gene Name	PNPO
Gene Alias	FLJ10535, PDXPO
Gene Description	pyridoxamine 5'-phosphate oxidase
Omim ID	603287 610090
Gene Ontology	Hyperlink
Gene Summary	The enzyme encoded by this gene catalyzes the terminal, rate-limiting step in the synthesis of pyridoxal 5'-phosphate, also known as vitamin B6. Vitamin B6 is a required co-factor for enzymes involved in both homocysteine metabolism and synthesis of neurotransmitters such as catecholamine. Mutations in this gene result in pyridoxamine 5'-phosphate oxidase (PNPO) deficiency, a form of neonatal epileptic encephalopathy. [provided by RefSeq
Other Designations	pyridoxal 5'-phosphate synthase|pyridoxine 5'-phosphate oxidase

Pathway

- Metabolic pathways
- Vitamin B6 metabolism

Disease

- Genetic Predisposition to Disease
- Schizophrenia