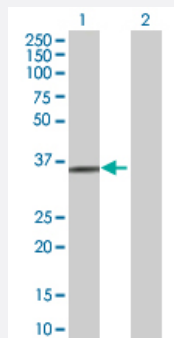


BPNT1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010380-T01

Size 100 uL

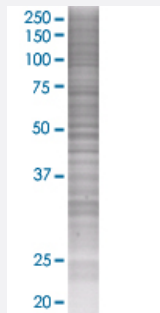
Applications



Western Blot

Lane 1: BPNT1 transfected lysate (28.1 KDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

BPNT1 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-BPNT1 full-length
Host	Human
Theoretical MW (kDa)	28.82
Interspecies Antigen Sequence	Mouse (93)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-BPNT1 antibody ([H00010380-B01](#)) by Western Blots.

Western Blot

Lane 1: BPNT1 transfected lysate (28.1 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel

BPNT1 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 — BPNT1

Entrez GeneID

[10380](#)

GeneBank Accession#

[NM_006085](#)

Protein Accession#

[NP_006076](#)

Gene Name

BPNT1

Gene Alias

PIP

Gene Description

3'(2'), 5'-bisphosphate nucleotidase 1

Omim ID

[604053](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

BPNT1, also called bisphosphate 3-prime-nucleotidase, or BPntase, is a member of a magnesium-dependent phosphomonoesterase family. Lithium, a major drug used to treat manic depression, acts as an uncompetitive inhibitor of BPntase. The predicted human protein is 92% identical to mouse BPntase. BPntase's physiologic role in nucleotide metabolism may be regulated by inositol signaling pathways. The inhibition of human BPntase may account for lithium-induced nephrotoxicity. [provided by RefSeq]

Other Designations

BPntase|OTTHUMP00000035564|PAP-inositol-1,4-phosphatase|bisphosphate 3'-nucleotidase

Pathway

- [Sulfur metabolism](#)

Disease

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