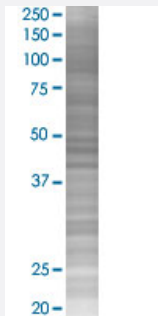


OPTN 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010133-T02

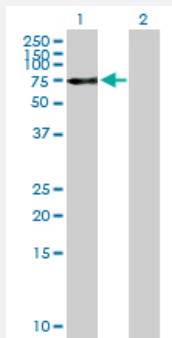
Size 100 uL

Applications



SDS-PAGE Gel

OPTN transfected lysate.



Western Blot

Lane 1: OPTN transfected lysate (65.90 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-OPTN full-length
Host	Human
Theoretical MW (kDa)	65.9
Interspecies Antigen Sequence	Mouse (76); Rat (73)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-OPTN antibody ([H00010133-B01P](#)) by Western Blots.
 SDS-PAGE Gel
 OPTN transfected lysate.
 Western Blot
 Lane 1: OPTN transfected lysate (65.90 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 — OPTN

Entrez GeneID

[10133](#)

GeneBank Accession#

[NM_001008211](#)

Protein Accession#

[NP_001008212.1](#)

Gene Name

OPTN

Gene Alias

FIP2, GLC1E, HIP7, HYPL, NRP, TFIIIA-INTP

Gene Description

optineurin

Omim ID

[137760](#) [602432](#) [606657](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes the coiled-coil containing protein optineurin. Optineurin may play a role in normal-tension glaucoma and adult-onset primary open angle glaucoma. Optineurin interacts with adenovirus E3-14.7K protein and may utilize tumor necrosis factor-alpha or Fas-ligand pathways to mediate apoptosis, inflammation or vasoconstriction. Optineurin may also function in cellular morphogenesis and membrane trafficking, vesicle trafficking, and transcription activation through its interactions with the RAB8, huntingtin, and transcription factor IIIA proteins. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

Huntingtin interacting protein L|OTTHUMP00000019125|OTTHUMP00000019126|OTTHUMP00000019127|OTTHUMP00000019128|glaucoma 1, open angle, E (adult-onset)|nemo-related protein|transcription factor IIIA-interacting protein|tumor necrosis factor alpha-inducible ce

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Leber hereditary optic neuropathy](#)
- [Ocular Hypertension](#)
- [Optic Atrophy](#)
- [Optic Nerve Diseases](#)
- [Osteitis Deformans](#)
- [Retinal Diseases](#)
- [Tobacco Use Disorder](#)