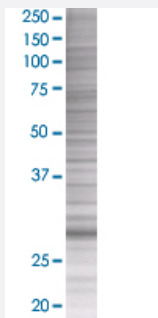


MYO3A 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00053904-T01

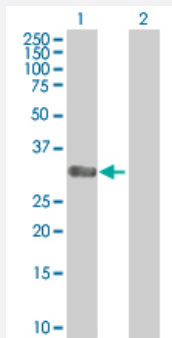
Size 100 uL

Applications



SDS-PAGE Gel

MYO3A transfected lysate.



Western Blot

Lane 1: MYO3A transfected lysate (27.6 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MYO3A full-length
Host	Human
Theoretical MW (kDa)	27.28
Interspecies Antigen Sequence	Mouse (94)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MYO3A antibody ([H00053904-B01](#)) by Western Blots.
SDS-PAGE Gel
MYO3A transfected lysate.
Western Blot
Lane 1: MYO3A transfected lysate (27.6 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 — MYO3A

Entrez GeneID

[53904](#)

GeneBank Accession#

[BC045538.1](#)

Protein Accession#

-

Gene Name

MYO3A

Gene Alias

DFNB30

Gene Description

myosin IIIA

Omim ID

[606808 607101](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene belongs to the myosin superfamily. Myosins are actin-dependent motor proteins and are categorized into conventional myosins (class II) and unconventional myosins (classes I and III through XV) based on their variable C-terminal cargo-binding domains. Class III myosins, such as this one, have a kinase domain N-terminal to the conserved N-terminal motor domains and are expressed in photoreceptors. The protein encoded by this gene plays an important role in hearing in humans. Three different recessive, loss of function mutations in the encoded protein have been shown to cause nonsyndromic progressive hearing loss. Expression of this gene is highly restricted, with the strongest expression in retina and cochlea. [provided by RefSeq]

Other Designations

OTTHUMP00000019339

Disease

- [Alzheimer Disease](#)
- [Anxiety Disorders](#)
- [Arthritis](#)
- [Colorectal Neoplasms](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)