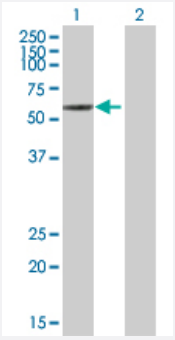
VMD2 293T Cell Transient Overexpression Lysate(Denatured)

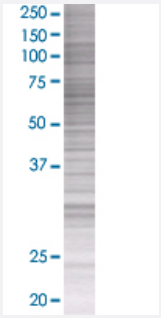
Catalog # H00007439-T01 Size 100 uL

Applications



Western Blot

Lane 1: BEST1 transfected lysate (69.1 KDa)
Lane 2: Non-transfected lysate.



SDS-PAGE Gel

BEST1 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-VMD2 full-length
Host	Human
Theoretical MW (kDa)	66.55
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-VMD2 antibody (H00007439-B01) by Western Blots. Western Blot Lane 1: BEST1 transfected lysate (69.1 KDa) Lane 2: Non-transfected lysate. SDS-PAGE Gel BEST1 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 — BEST1

Entrez GeneID	7439
GeneBank Accession#	BC041664.1
Protein Accession#	-
Gene Name	BEST1
Gene Alias	ARB, BEST, BMD, TU15B, VMD2
Gene Description	bestrophin 1
Omim ID	153700 153870 607854 608161
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the bestrophin gene family. This small gene family is characterized by proteins with a highly conserved N-terminus with four to six transmembrane domains. Bestrophins may form chloride ion channels or may regulate voltage-gated L-type calcium-ion channels. Bestrophins are generally believed to form calcium-activated chloride-ion channels in epithelial cells but they have also been shown to be highly permeable to bicarbonate ion transport in retinal tissue. Mutations in this gene are responsible for juvenile-onset vitelliform macular dystrophy (VMD2), also known as Best macular dystrophy, in addition to adult-onset vitelliform macular dystrophy (AVMD) and other retinopathies. Alternative splicing results in multiple variants encoding distinct isoforms
Other Designations	Best disease|vitelliform macular dystrophy protein 2

Disease

- Macular Degeneration
- Retinal Diseases