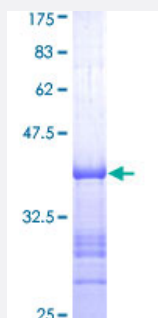


VMD2 (Human) Recombinant Protein (Q01)

Catalog # H00007439-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human VMD2 partial ORF (AAH41664, 361 a.a. - 460 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LHEGLPKNHKAAKQNVRGQEDNKAWKLKAVDAFKSAPLYQRPGYYSAPQTPLSPTPMFFPLEP SAPSKLHSVTGIDTKDKSLKTVSSGAKKSFELLSESD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BEST1

Entrez GeneID [7439](#)

GeneBank Accession# [BC041664](#)

Protein Accession# [AAH41664](#)

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](#)