

Recombinant Human VIM Protein, His-tagged

Cat. No. VIM-571H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VIM Protein (Glu286-Glu408) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu286-Glu408
Description	This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.5 kDa Accurate Molecular Mass: 25 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	VIM vimentin [Homo sapiens (human)]
Official Symbol	VIM
Synonyms	VIM; vimentin; FLJ36605; epididymis secretory sperm binding protein
Gene ID	7431
mRNA Refseq	NM_003380
Protein Refseq	NP_003371
MIM	193060
UniProt ID	P08670

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