

# Recombinant Human papillomavirus type 18 Minor capsid protein L2

Catalog No: #AP72962

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Package Size: #AP72962-1 20ug #AP72962-2 100ug #AP72962-3 1mg

## Description

Product Name	Recombinant Human papillomavirus type 18 Minor capsid protein L2
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-462aaSequence Info:Full Length
Accession No.	P06793
Uniprot	P06793
GeneID	1489091;
Calculated MW	51.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MVSHRAARRKRASVTDLYKTKQSGTCCPDVVPKVEGTTLADKILQWSSLGIFLGGLGIGTSGGTGGRTGYIP LGGRSNTVVDVGPTRPVIEPVGPTDPSIVTLIEDSSVVTSGAPRPTFTGTSGFDITSAGTTTPAVLDITPSST SVSISTTNFTNPAFSDPSIIEVPQTGEVAGNVFVGTPTSNGTHYEEIPLQTFASSGTGEEPISTPLPTVRRVAG PRLYSRAYQQVSVANPEFLTRPSSLITYDNPAFEPVDTTLTFDPRSDVPDSDFMDIIRLHRPALTSRRGTVRFS RLGQRATMFRSGTQIGARVHFYHDISPIAPSPEYIELQPLVSATEDNDLFDIYADDMDPAVPVPSRSTTSFAFF KYSPTISSASSYSNVTVPLTSSWDVPVYTGPDITLPSTTSVWPVIVSPTAPASTQYIGIHGTHYLLWPLYFIPKK RKRVPYFFADGFVAA
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Minor protein of the capsid that localizes along the inner surface of the virion, within the central cavities beneath the L1 pentamers. Plays a role in capsid stabilization through interaction with the major capsid protein L1. Once the virion enters the host cell, escorts the genomic DNA into the nucleus, in particular by promoting virion endosomal escape. It is involved, through its interaction with host dynein, in the intracellular microtubule-dependent transport of viral capsid toward the nucleus. Mediates the viral genome import into the nucleus through binding to host importins. Mediates the viral genome import into the nucleus through binding to host importins. Once within the nucleus, L2 localizes viral genomes to PML bodies in order to activate early gene expression for establishment of infection. Later on, promotes late gene expression by interacting with the viral E2 protein and by inhibiting its transcriptional activation functions. During virion assembly, encapsidates the genome by direct interaction with the viral DNA.

## References

Nucleotide sequence and comparative analysis of the human papillomavirus type 18 genome. Phylogeny of papillomaviruses and repeated structure

Note: This product is for in vitro research use only