

Amino acid sequences of recombinant proteins

Color codes:

CP of PhMV (N-terminal a.a. deleted in PhMV_del proteins are underlined)

M2e peptide

GS-rich linker

PhMV

MRGSHHHHHHGS DIGP DSSEVVKVKQASIPAPGSILSOPNTEQSPAIVLPFQFEATTFGTAETA
AQVSLQTADPITKLTAPYRHAQIVECKAILTPTDLAVSNPLTVYLAWVPANSPATPTQILRVY
GGQSFVLGGAISSAAKTIEVPLNLDSVNRMLKDSVTYTDTPKLLAYSRAPTNPSKIPTASIQISGR
IRLSKPMLIAN

4M2eh-PhMV

MRGSHHHHHHGS DL SLLTEVETPIRNEWGSRNSDSSD DL SLLTEVETPIRNEWGSRNSDSSD D
L SLLTEVETPIRNEWGSRNSDSSD DL SLLTEVETPIRNEWGSRNSDSSD DIGP DSSEVVKVKQAS
IPAPGSILSOPNTEQSPAIVLPFQFEATTFGTAETA AQVSLQTADPITKLTAPYRHAQIVECKAI
LTPTDLAVSNPLTVYLAWVPANSPATPTQILRVYGGQSFVLGGAISSAAKTIEVPLNLDSVNRM
LKDSVTYTDTPKLLAYSRAPTNPSKIPTASIQISGRIRLSKPMLIAN

19s-4M2eh-19s-PhMV

MRGSHHHHHHGS GTSGSSGSGSGSGGGG EL SLLTEVETPIRNEWGSRNSDSSD DL SLLTE
VETPIRNEWGSRNSDSSD DL SLLTEVETPIRNEWGSRNSDSSD DL SLLTEVETPIRNEWGSRN
DSSD DI GTSGSSGSGSGSGGGG P DSSEVVKVKQASIPAPGSILSOPNTEQSPAIVLPFQFE
ATTFGTAETA AQVSLQTADPITKLTAPYRHAQIVECKAILTPTDLAVSNPLTVYLAWVPANSP
ATPTQILRVYGGQSFVLGGAISSAAKTIEVPLNLDSVNRMLKDSVTYTDTPKLLAYSRAPTNPSK
IPTASIQISGRIRLSKPMLIAN

PhMV_del

MRGSHHHHHHGS DIGP GTAETA AQVSLQTADPITKLTAPYRHAQIVECKAILTPTDLAVSNP
LTVYLAWVPANSPATPTQILRVYGGQSFVLGGAISSAAKTIEVPLNLDSVNRMLKDSVTYTDTP
KLLAYSRAPTNPSKIPTASIQISGRIRLSKPMLIAN

4M2eh-PhMV_del

MRGSHHHHHHGS DL SLLTEVETPIRNEWGSRNSDSSD DL SLLTEVETPIRNEWGSRNSDSSD D
L SLLTEVETPIRNEWGSRNSDSSD DL SLLTEVETPIRNEWGSRNSDSSD DIGP GTAETA AQVSL
QTADPITKLTAPYRHAQIVECKAILTPTDLAVSNPLTVYLAWVPANSPATPTQILRVYGGQSF
VLGGAISSAAKTIEVPLNLDSVNRMLKDSVTYTDTPKLLAYSRAPTNPSKIPTASIQISGRIRLSKP
MLIAN

19s-4M2eh-19s-PhMV_del

MRGSHHHHHHGS GTSGSSGSGSGSGSGGGGEL SLLTEVETPIRNEWGSRSDSSD DL SLLTE
VETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRSDSSD DL SLLTEVETPIRNEWGSRSN
DSSD DI GTSGSSGSGSGSGSGGGGGP GTAETA AQVSLQTADPITKLTAPYRHAQIVECKAILT
PTDLAVSNPLTVYLAWVPANSPATPTQILRVYGGQSFVLGGAISAAKTIEVPLNLDSVNRMLK
DSVTYTDTPKLLAYSRAPTNPSKIPTASIQISGRIRLSKPMLIAN