

pMACS LNGFR-IRES location of features

CMV promoter	Cytomegalovirus IE promoter	232-820
MCS	Multiple cloning site	913-998
IVS	Synthetic intron	1030-1325
IRES	Internal ribosome entry site of encephalomyocarditis virus (EMCV)	1351-1936
Δ LNGFR cDNA	LNGFR open reading frame (cytoplasmatic region deleted)	2040-2864
PolyA	Polyadenylation signal	2885-3108
Amp ^R	β-lactamase open reading frame (reverse orientation)	5289-4429

Patents and legal statements

The CMV promoter is covered under U.S. patents 5,168,062 and 5,385,839 and its use is permitted for research use only. Any other use of the CMV promoter requires a licence from the University of Iowa Research Foundation, 214 Technology Innovation Center, Iowa City, IA 52242.

The EMCV IRES sequence element is covered under U.S. patent 4,937,190 and its use is permitted for research purposes only. Any other use of the EMCV IRES element requires a licence from Wisconsin Alumni Research Foundation.