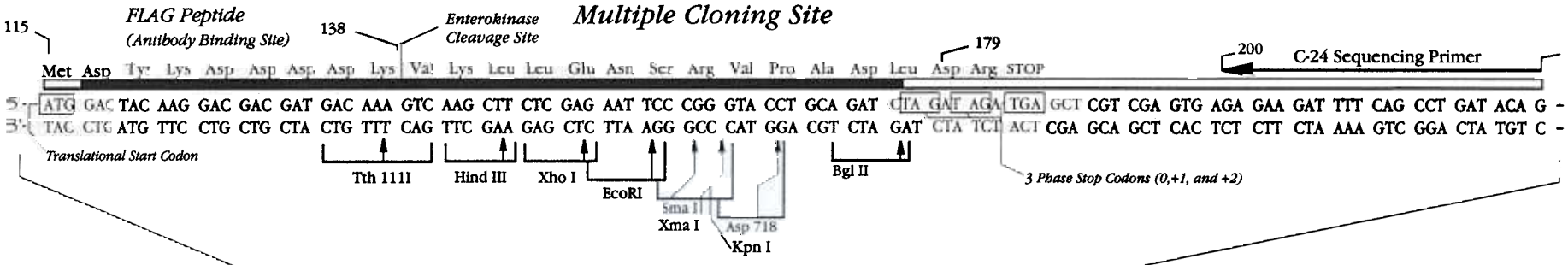
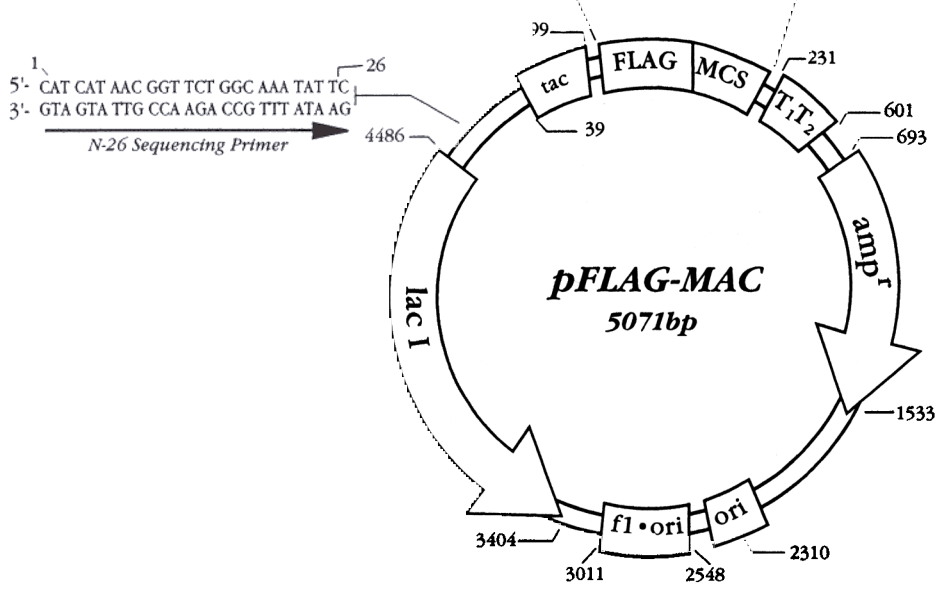
Cytoplasmic Expression of Met-Amino-Terminal FLAG Fusion Proteins in *E. coli*



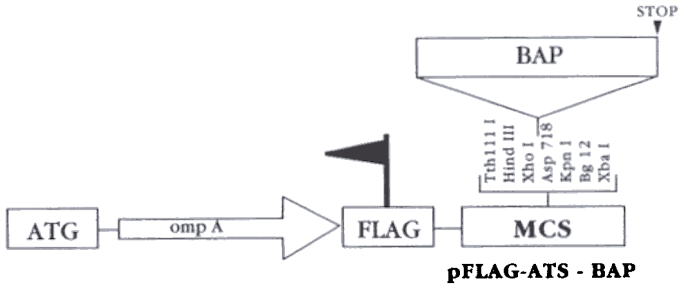


Map Position	Marker	Description
39-99	*tac Promoter*	-35 region of trp promoter to end of lacI binding region.
73	*lacI Binding*	LacI repressor binding site. Induction with IPTG.
100	*RBS*	Shine-Dalgarno ribosome binding site.
115-138	*FLAG*	Octapeptide for binding of ANTI-FLAG M2 antibody and Enterokinase cleavage.
133-179	*MCS*	Multiple cloning site for insertion of coding sequences into pFLAG-MAC.
231-601	T_1T_2	Ribosomal RNA operon compound terminator.
1-26	*N-26*	Binding site for N-26 forward sequencing primer.
223-200	*C-24*	Binding site for C-24 reverse sequencing primer.
693-1553	*amp^r*	Ampicillin resistance to host cell.
2310	*pBR322 ori*	Double strand replication of pFLAG-MAC.
2548-3011 *f1•ori*		Single strand replication of positive strand via M13 K07 Helper Phage.
4486-3404 *lac I*		Repression of tac promoter. LacI repressor protein is over produced from lacI^q promoter. Induction with IPTG.

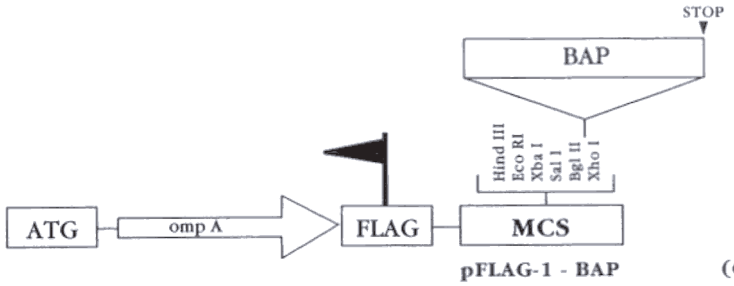
Catalog No., E5644

FLAG-BAP Positive Control Plasmids

(a) Amino-Terminal Fusion

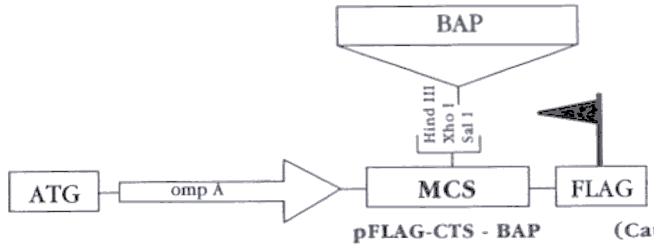


pFLAG-ATS - BAP **(Catalog No., C9079)**



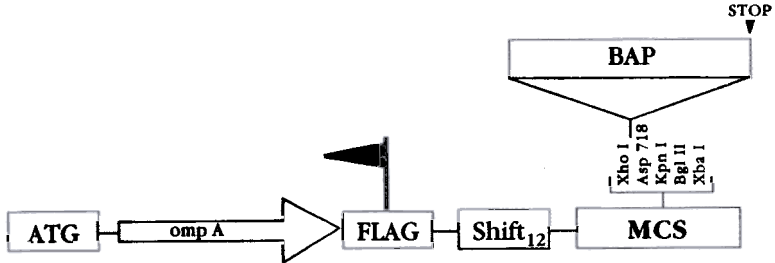
pFLAG-1 - BAP **(Catalog No., P0226)**

(b) Carboxy-Terminal Fusion

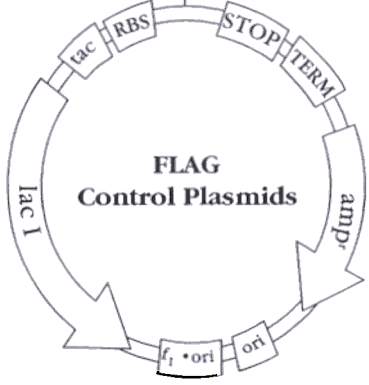


pFLAG-CTS - BAP **(Catalog No., P7707)**

(c) FLAG-Shift Fusion



pFLAG-Shift $_{12}$ BAP **(Catalog No., P5725)**



The FLAG-BAP Positive Control Plasmids are useful positive controls for protein expression, immunological detection and immunological detection and immuno-affinity purification of FLAG fusion proteins. ▼ STOP = Translational stop codon.