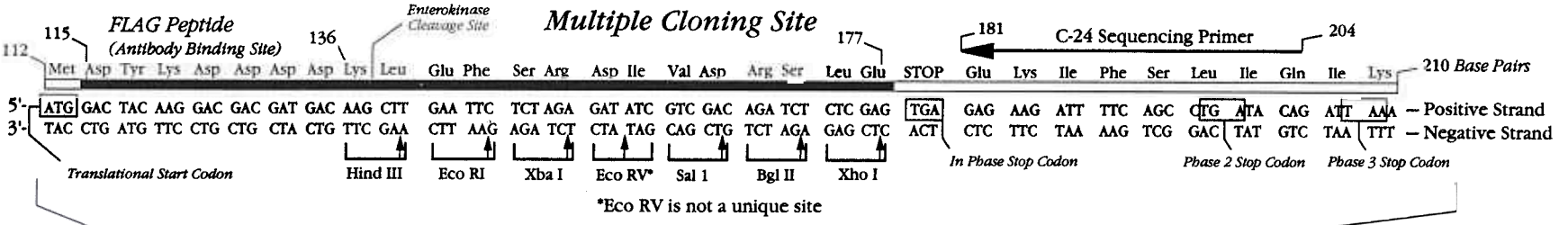
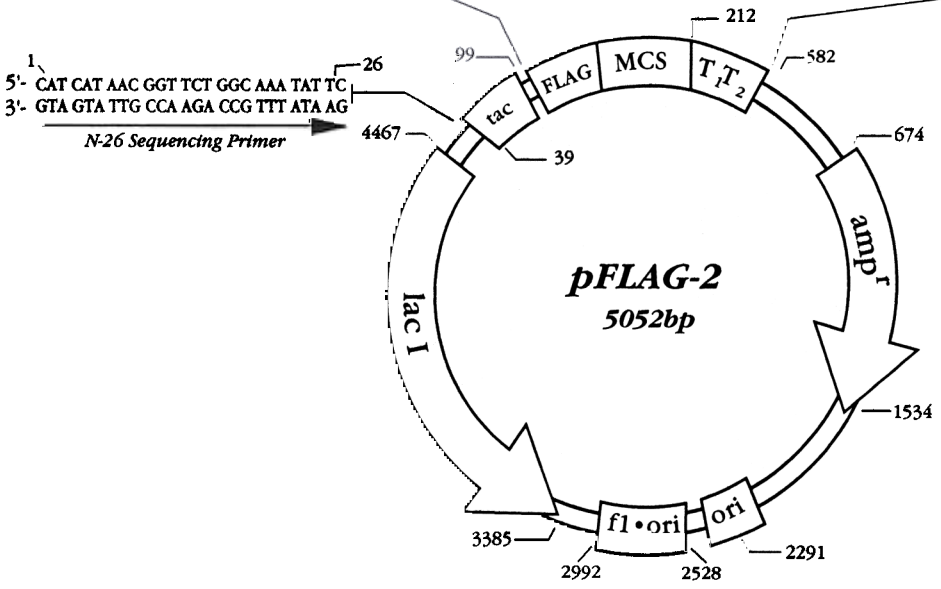
Cytoplasmic Expression of Met-Amino -Terminal FLAG Fusion Proteins in *E. coli*



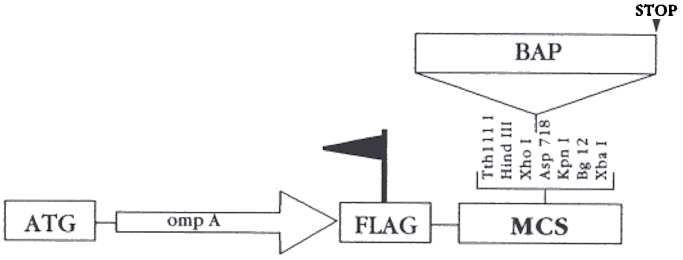


Map Position	Marker	Description
39-99	*tac Promoter*	-35 region of trp promoter to end of lacI binding region.
73	*lacI Binding*	LacI repressor binding site. Induction with IPTG.
100	*RBS*	Shine-Dalgarno ribosome binding site.
115-138	*FLAG*	Octapeptide for binding of ANTI-FLAG M2 antibody and Enterokinase cleavage.
136-177	*MCS*	Multiple cloning site for insertion of coding sequences in pFLAG-2.
212-582	*T_1T_2*	Ribosomal RNA operon compound terminator.
1-26	*N-26*	Binding site for N-26 forward sequencing primer.
204-181	*C-24*	Binding site for C-24 reverse sequencing primer.
674-1534	*amp^r*	Ampicillin resistance to host cell.
2291	*pBR322 ori*	Double strand replication of pFLAG-2.
2528-2992	*f1•ori*	Single strand replication of positive strand via M13 K07 Helper Phage.
4467-3385	*lac I*	wRepression of tac promoter. LacI repressor protein is over produced from lacI^q promoter. Induction with IPTG.

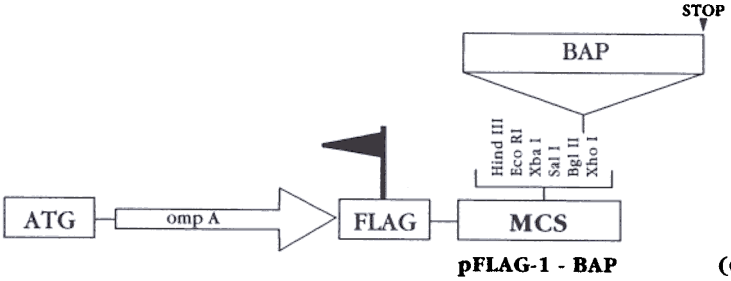
Catalog No. E2774

FLAG-BAP Positive Control Plasmids

(a) Amino-Terminal Fusion

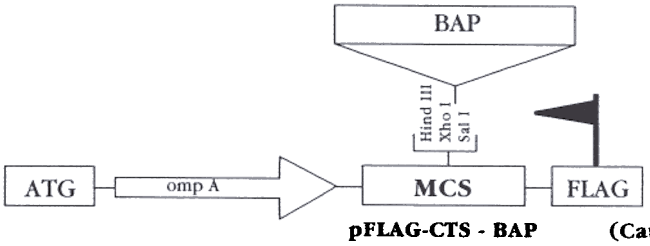


pFLAG-ATS - BAP **(Catalog No., C9079)**



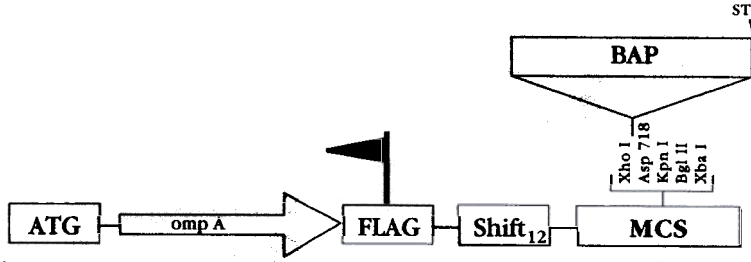
pFLAG-1 - BAP **(Catalog No., P0226)**

(b) Carboxy-Terminal Fusion

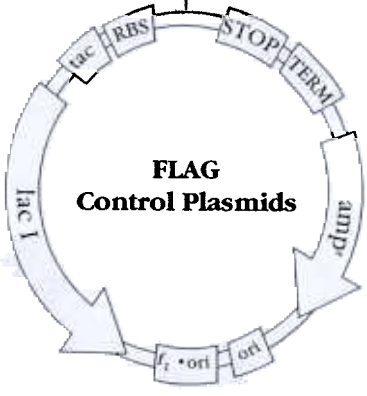


pFLAG-CTS - BAP **(Catalog No., P7707)**

(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.