## pGEX Vectors\*(GST Gene fusion)

All of the GST gene fusion vectors offer:

A tac promoter for chemically inducible, high-level expression.

```
pGEX-1λT (27-4805-01)
                                    Thrombin
 Leu Val Pro Arg<sup>‡</sup>Gly Ser Pro Glu Phe IIe Val Thr Asp
CTG GTT CCG CGT GGA TCC,CCG GAA TTC,ATC G<u>TG ACT GA</u>C TGA
                                                                                                                              EcoR I
                                                                         BamH I
  pGEX-2T (27-4801-01)
                          Thrombin
  Leu Val Pro Arg<sup>1</sup> Gly Ser Pro Gly Ile His Arg Asp
CTG GTT CCG CGT GGA TCC CCG GGA ATT CAT CGT GAC TGA CTG ACG
BamH I Smal | EcoR I Stop codons
                                                                                                         Sma I
  pGEX-2TK (27-4587-01)
 Thrombin Kinase

Leu Val Pro Arg<sup>1</sup>Gly Ser Arg Arg Ala Ser Val

CTG GTT CCG CGT GGA TCT CGT CGT GCA TCT GTT GGA TCC CCG GGA ATT CAT CGT GAC TGA

BamH I Sma I Ecor R I Stop codons
  pGEX-4T-1 (27-4580-01)
                                    Thrombin
  Leu Val Pro Ard Gly Ser Pro Glu Phe Pro Gly Arg Leu Glu Arg Pro His Arg Asp
CTG GTT CCG CGT GGA TCC CCG GAA TTC CCG GGT CGA CTC GAG CGG CCG CAT CGT GAC TGA
Bamh I Scor I Sma I Sal I Xho I Not I Stop codons
                                                                                                                                                                                                                                                                                                             Stop codons
  pGEX-4T-2 (27-4581-01)
                                Thrombin
 Leu Val Pro Art Gly Ser Pro Gly Ile Pro Gly Ser Thr Arg Ala Ala Ala Ser CTG GTT CCG CGT GGA TCC CCA GGA ATC CCC GGG TCC ACT CG TGA CCG GCA TCG TGA TCG
  pGEX-4T-3 (27-4583-01)
                                    Thrombin
 pGEX-3X (27-4803-01)
Factor Xa
  Factor Xa

| Ile Glu Gly Arn | I-Gly Ile Pro Gly Asn Ser Ser
ATC GAA GGT CGT GGG ATC CCC GGG AAT TCA TCG TGA CTG ACT GAC
BamH | Sma | EcoR | Stop codons
  pGEX-5X-1 (27-4584-01)
              Factor Xa
 Factor Xa

| Ile Glu Gly Arg | Ide | Pro Glu Phe Pro Gly Arg Leu Glu Arg Pro His Arg Asp ATC GAA GGT CGT GGG ATC CCC GAA TTC CCG GGT CGA CTC GAG CGG CCG CAT CGT GAC TGA STORM | Sam | I | ECOR | Sma | Sal | Xho | Not | Not | Stop codons
 pGEX-5X-2 (27-4585-01)
Factor Xa
 | ILIGHUS GIUG GIQ ATQ<sup>1</sup> GIQ IILE Pro GIQ IILE Pro GIQ SET Thr ATQ AIA AIA AIA SET ATC GAA GGT CGT GGG ATC CCC GGA ATT CCC GGG TCC ACC GCA TCC TGA CCC TGA CCC TGA CCC TGA CCC GCA TCC TGA CCC TGA CC
                                             3 (27-4586-01)
                    Factor Xa
 pGEX-6P-1 (27-4597-01)
                          PreScission<sup>™</sup> Protease
PTEDUSSIBILIT TOURGASE
LEU GIU VAI LEU PHE GIN GN PTO LEU GIY SET PTO GIU PHE PTO GN ATG LEU GIU ATG PTO HIS
CTG GAA GTT CTG TTC CAG GGG CCC CTG GGA TCC CCG GAA TTC CCG GGT CGA CTC GAG CGG CCG CAT
Bamh I ECOR I Sma I Sal I Xho I Not I
  pGEX-6P-2 (27-4598-01)
                         PreScission<sup>™</sup> Protease
  PGEX-6P-3 (27-4599-01)
PreScission ** Protease

Leu Glu Val Leu Phe Gin Gly Pro Leu Gly Ser Pro Asn Ser Arg Val Asp Ser Ser Gly Arg CTG GAA GTT CTG TTC CAG GGG CCC CTG GGA ATT CC CGG GTC GAC TGG AGC GGC CGC BamH I EcoR I Sma | Sal | Xho | Not |
                                                                                                                                                                                                                              Tth111 I
Aat II
                                                                                                                                                                                    pGEX
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Map of the glutathione S-transferase fusion vectors showing the reading frames and main features. Even though stop codons in all three frames are not depicted in this map, all thirteen vectors have stop codons in all three frames downstream from the multiple cloning site.