

Supplemental Table S1. Plasmid construction.

	PCR template	template	5' primer	3' primer	sites
1	GL for fusions	pGLuc Basic, NEB	atgcgaattcggcggagggtgggtccggaggcgggtg ggagcgccaagcccaccgagaacaacgaagacttc	gcatgcgccgcttagtcaccaccggcccccttg	EcoRI/NotI
2	secreted GL unfused	pGLuc Basic, NEB	atgcgctagcgccaccatggagtcaaaagtctcg	gcatgcgccgcttagtcaccaccggcccccttg	NheI/NotI
3	CXCL12-alpha for GL fusion	mCXCL12 (Luker et al., 2009b)	atgcctcgaggccaccatggagccaaggtcgtcg	gcatgaattcccctgtttaagctttctccaggtac	XhoI/EcoRI
4	CXCL12-beta for GL fusion	mCXCL12 (Luker et al., 2009b)	atgcctcgaggccaccatggagccaaggtcgtcg	gcatgaattcccctgttagcctctgtttaagct ttctccaggtac	XhoI/EcoRI
5	CXCL12-gamma for GL fusion	synthetic gene (IDT)	ctcaggccaccatggagccaaggtcgtcgcgtgc tggccctggtgctggcgcgctctgcatcagtgacggt aaaccagtacgctgagctaccgatgccctgccggt tcttcgagagccaacatcgccaagccaacgtcaagca tctgaaaatcctcaactccaactgcccctcaga ttgtgcacggctgaagaacaacaagacaagtgtg cattgaccgaaattaaagtgatccaagagtacctg gagaaagctttaacaagggcgagagaagaaaa agtggggaaaaaagaaagataggaaaaaagaag cgacagaagaagagaaggctgccagaaaaggaa aaacgggaattc		XhoI/EcoRI
6	CXCL12-alpha unfused	mCXCL12 (Luker et al., 2009b)	atgctctagagccaccatggagccaagg	gcatgcgccgcttactgtttaagctttctccagg	XbaI/NotI
7	CXCL12-beta unfused	mCXCL12 (Luker et al., 2009b)	atgctctagagccaccatggagccaagg	gcatgcgccgctcacatcttagcctctgtttaaa g	XbaI/NotI
8	CXCL12-gamma unfused	synthetic gene (IDT)	atgctctagagccaccatggagccaagg	gcatgcgccgcttagttttcttttctgggcagcc	XbaI/NotI
9	CXCL12-GL fusions for FU650W	fusion constructs in pEGFP-N1	atgcttaattaagtaataacgagg (bases 6-27 of pEGFP-N1)	gcatttaattaatggtatggctgattatgac (bases 1413-1435 of pEGFP-N1)	PacI
10	CXCL12-GL fusions for pLVX	fusion constructs in pEGFP-N1	atgctctagagccaccatggagccaagg	gcatgcgccgcttagtcaccaccggcccccttg	XbaI/NotI
11	AcGFP-nuc	pAcGFP1-Nuc (Clontech)	atgctctagagcagagctgggttagtgaaccg	atgtggtatggctgattaatgac	XbaI

Luker, K., M. Gupta, and G. Luker. 2009a. Bioluminescent CXCL12 fusion protein for cellular studies of CXCR4 and CXCR7
Biotechniques. 47:625-632.