Table S1. Properties and purification of SDF-3

	Conditions	Activity (%)
Anion-exchange resin	Flow-through	50-100
	Elution with 1 M NaCl	<0.1
Cation-exchange resin	Flow-through	50-100
	Elution with 1 M NaCl	<0.1
Amberlite XAD-2 resin	Flow-through	<0.1
	Elution with 50% ethanol	<0.1
	Elution with 80% ethanol	50-100
Heat treatment	95°C for 15 minutes	50-100
Proteinase K	0.1 mg/ml, 55°C for 1 hour	50-100
Chloroform extraction	Water phase	1-2
	Chloroform phase	50-100

1×10^8 *gadA*$^-$ cells were developed on filters for 24 hours. The cells were dissociated in cAMP buffer and spun down. Activity was quantitated by serial dilution, with 1 unit being the minimal amount required to obtain full induction in the KP cell bioassay. 1000 units of SDF-3 were detected in the supernatant and used for characterization of the activity. Aliquots of the samples were incubated with various affinity resins then washed and eluted with the indicated solutions. SDF-3 activity was quantitated in the KP cell bioassay. Each purification step was repeated at least three times.