

Table 1. The primers designed for each segmented domain of ScpA.

Entry	protein	vector	Primers 5'→3'	
1	rsScpA	pGEX-6p-3	forward	GGGATCCACCTCAAAAGCGACTA
			reverse	GCTCGAGTCAAGAGTGGCCCTCC
2	rsScpA193	pGEX-6p-3	forward	GGGATCCACCTCAAAAGCGACTA
			reverse	GCTCGAGTCAAGAGTGGCCCTCC
3	Cat	pET-21b	forward	GCATATGACCTCAAAAGCGACTA
			reverse	GCTCGAGTGCTGCTGAAGCTTTT
4	Fn	pGEX-6p-3	forward	CGGATCCACGATGTATGTGACAG
			reverse	GCTCGAGTCAAGAGTGGCCCTCC
5	PA	pGEX-6p-3	forward	GGGATCCCCAGA TAAAC AGCTCA
			reverse	GCTCGAGTCAGGTGTCACCTTGCTGT
6	Fn1	pGEX-6p-3	forward	GGGATCCACGATGTATGTGACAG
			reverse	GCTCGAGTCAATCACCTCGGAAA
7	Fn2	pGEX-6p-3	forward	CGGATCCTTTGGCAATCTGTGAC
			reverse	GCTCGAGTCAATTGTCTACAATCA
8	Fn3	pGEX-6p-3	forward	CGGATCCACGACACCTGAAGTCG
			reverse	GCTCGAGTCAAGAGTGGCCCTCC

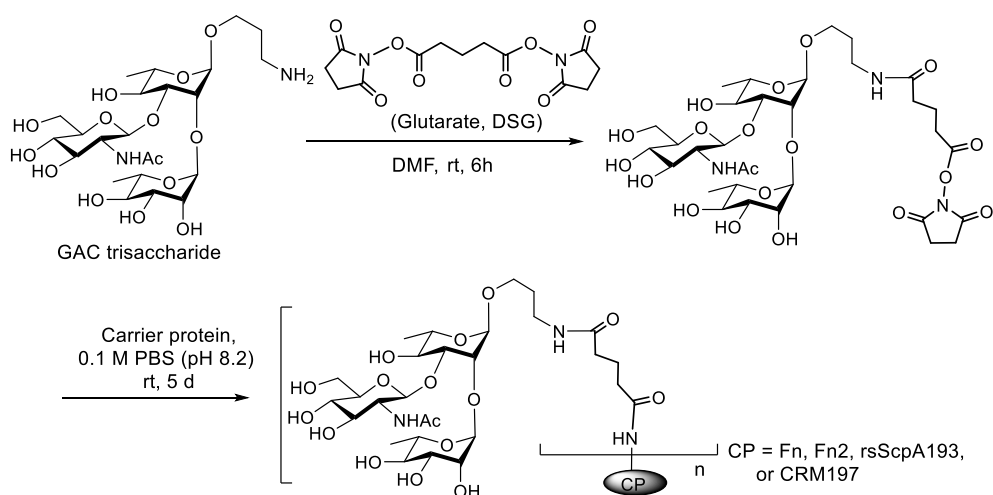


Figure 1. Conjugation of GAC trisaccharide with different carrier protein via bifunctional glutaryl linker.