

TABLE S1. Purification of AsGahA from the *AsgahA*-overexpressing transformant

	Total activity (U)	Total protein (mg)	Specific activity (U/mg)	Purification (fold)	Yield (%)
Crude Extract	505.41	1069.93	0.47	1	100
Phenyl-5PW HPLC	417.61	55.32	7.55	16	83
DEAE-5PW HPLC	253.78	18.46	13.75	29	50
G3000SW HPLC	192.48	12.29	15.67	33	38