A typical protocol for Miltenyi MACS Beads
(uMACS Epitope Tag Protein Isolation Kits)

Plants (0.5 g)
↓ add appropriate Lysis Buffer (1.5 ml) (see below)
↓ homogenize with mortar/pestle
↓ centrifuge for 10 min at 10,000 rpm at 4°C
sup (1 ml)
↓ add 50 ul MicroBeads and mix well
↓ incubate on-ice for 10-30 min

u Column
↓ place column in the magnetic field of the uMACS Separator
↓ pre-wash with 200 ul of 0.1 M Na2CO3 (pH 11) pre-heated to 75°C
↓ equilibrate with 1 ml of Lysis Buffer
↓ apply the sample to column
↓ wash column with 4x200 ul of Lysis Buffer
↓ wash column with 100 ul of Wash Buffer (see below)
↓ apply 20 ul of 0.1 M Na2CO3 pre-heated to 75°C
↓ incubate for 5 min at room temperature
↓ elute with 50 ul of 0.1 M Na2CO3 pre-heated to 75°C
eluent
↓ add 5 ul of 1 M HCl or 10 ul of 1 M Mes for neutralization
sample for MS analysis

An example of Lysis Buffer
50 mM Tris-HCl (pH 8.0)
150 mM NaCl
1 mM CaCl2
1 mM MgCl2
1% CHAPS
protease inhibitor (Roche complete EDTA-free)

Wash Buffer
Lysis Buffer without salt and/or detergent

For SDS-PAGE analysis,
use conventional SDS-PAGE Sample Buffer instead of 0.1 M Na2CO3.
omit pre-wash step.