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Selective release of overexpressed recombinant proteins from *E. coli* cells facilitates one-step purification of peptide-tagged green fluorescent protein variants

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#### ACCEPTED MANUSCRIPT

### **Title Page**

Title: Selective Release of Overexpressed Recombinant Proteins from *E. coli* Cells Facilitates One-Step Purification of Peptide-Tagged Green Fluorescent Protein Variants

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**Keywords:** selective release; selective liberation; one-step; freeze-thaw; protein purification; green fluorescent protein GFP

**Abbreviations:** %B, percentage of elution buffer; **AEC**, anion exchange chromatography; **BCA**, bicinchoninic acid; **CV**, column volume, **GFP**, green fluorescent protein; **HCP**, host cell protein; **IEF**, isoelectric focusing; **IMAC**, immobilized metal ion affinity chromatography; **OD**, optical density; **pI**, isoelectric point

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