

## Isolation of GFPuv/cyt c-552 fusion protein using an immobilized metal affinity chromatography and gel filtration in *E. coli*

Eul Jae Hong<sup>1</sup>, Jeong Woo Choi<sup>2</sup>, and Eock Kee Hong<sup>1</sup>

<sup>1</sup>School of Biotechnology and Bioengineering, Kangwon National University, Chunchon.

<sup>2</sup>Department of Chemical Engineering, Sogang University, Seoul, Korea.

Tel) 033-250-6275 Fax) 033-243-6350

### Abstract

The fusion protein of green fluorescent protein (GFP) and cytochrome c-552 (cyt c-552) was produced in *E. coli* BL21. This fusion protein contains a metal ion binding site (His)<sub>6</sub> for a general one-step purification using an immobilized metal affinity chromatography(IMAC) and enterokinase cleavage site for recovering GFPuv/cyt c-552 fusion protein that is about 41kDa molecular weight. The histidine tagged GFPuv/cyt c-552 fusion protein was purified by IMAC. His-tagged proteins were eluted at an imidazole concentration between 100 and 150 mM. And then the fractions were carried out an gel chromatography on sephadex G-100 for the purification of the fusion protein.

### References

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