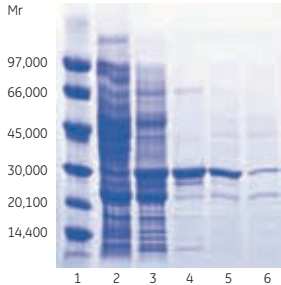


His SpinTrap による His-tag タンパク質 (APB7) の精製



Lanes

1. LMW markers
2. Start material (diluted 1:10)
3. Eluted pool, 5 mM imidazole during binding (diluted 1:2)
4. Eluted pool, 50 mM imidazole during binding (diluted 1:2)
5. Eluted pool, 100 mM imidazole during binding (diluted 1:2)
6. Eluted pool, 200 mM imidazole during binding (diluted 1:2)

Column	: His SpinTrap
Equilibration	: 600 μ l binding buffer
Sample application	: 600 μ l clarified <i>E. coli</i> BL-21 lysate containing 400 μ g APB 7- (His) ₆
Wash	: 600 μ l binding buffer
Elution	: 2 \times 200 μ l elution buffer
Binding buffer	: 20 mM sodium phosphate, 500 mM NaCl, 5–200 mM imidazole, pH 7.4
Elution buffer	: 20 mM sodium phosphate, 500 mM NaCl, 500 mM imidazole, pH 7.4

結合バッファー中のイミダゾール濃度を調節することで、純度や収量に影響があることがわかります。