

6th TRAINING SCHOOL - Expression,
purification and basic characterization of
target protein samples for drug binding
studies.

GROUP 2

Cagla Burcin Bicakci

David Cisneros

Hatçe Asli BEDEL

1st Day

Transformation and
Scale culture

Transformation



1st Day

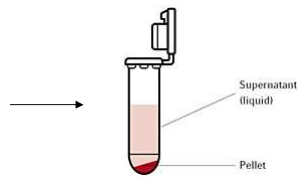
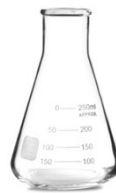
Transformation and Scale culture

Small scale culture



OD₆₀₀ (6h incubation) = 2.3
OD₆₀₀ (O/N incubation) = 5.4

Large scale culture



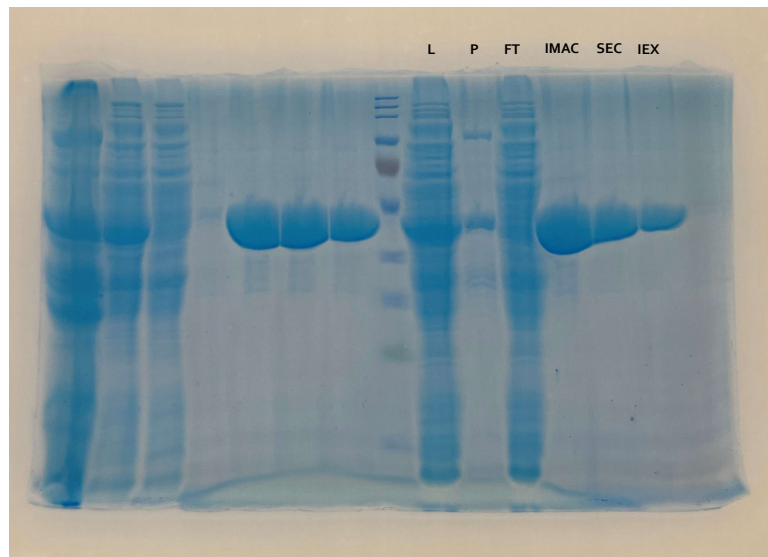
Supernatant (liquid)
Pellet

Pellet mass = 5.84g
Yield = 18.5 mg/L

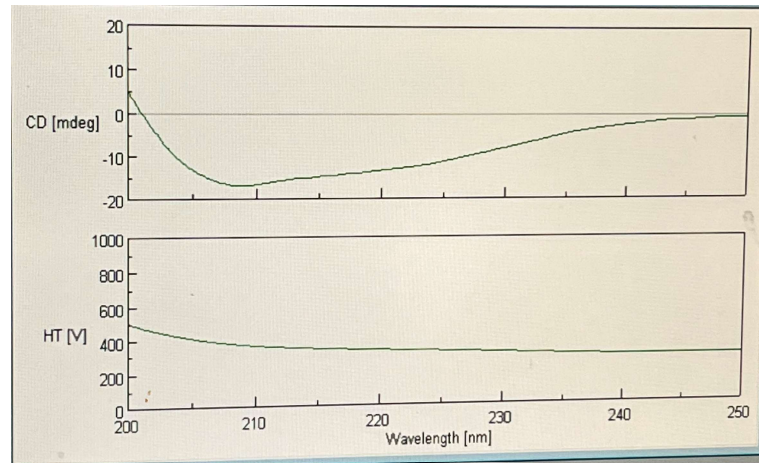
2nd Day

Cell lysis and protein purification

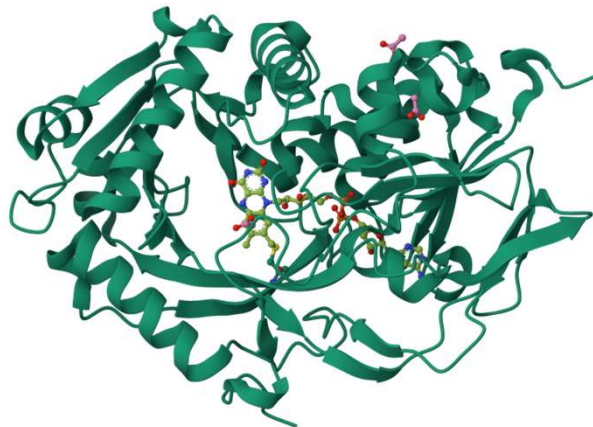
- IMAC
- SEC
- IEX



3rd Day
Biophysical
measurements
-Circular Dichroism (CD)



3rd Day
Biophysical
measurements

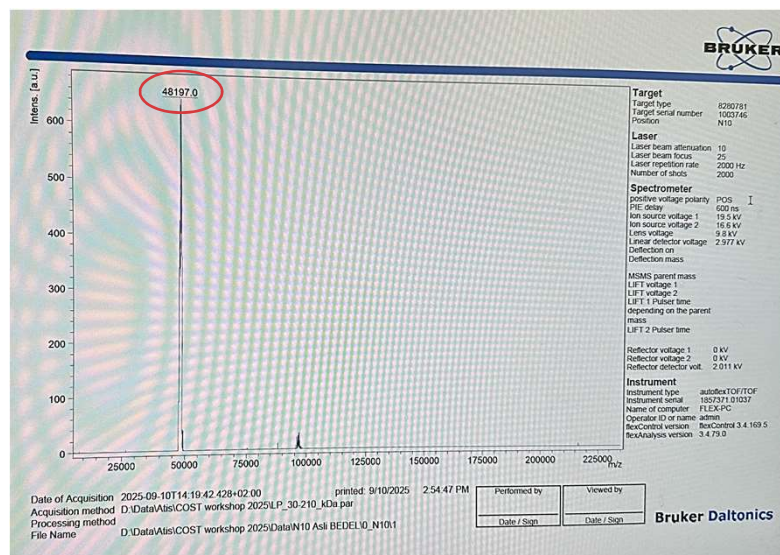


PDB: 5T1E
Phaeosphaeria nodrum fructosyl peptide oxidase

3rd Day

Biophysical measurements

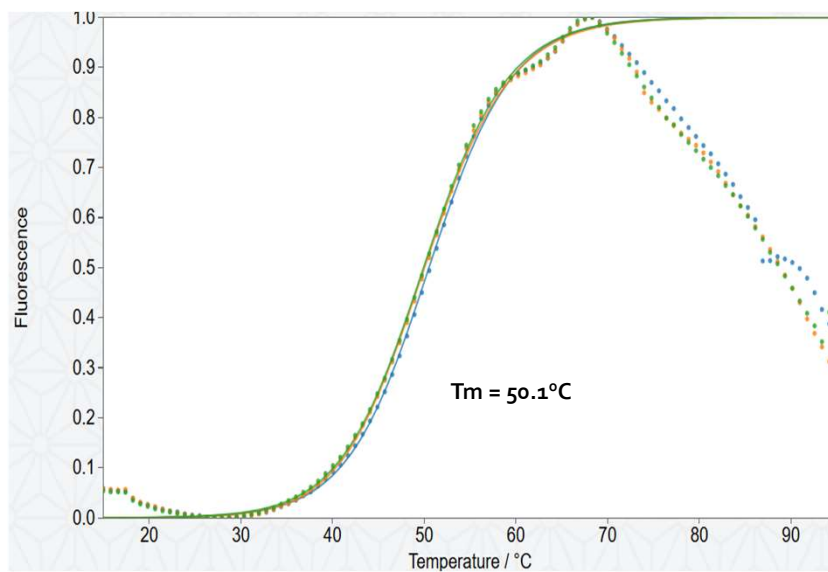
-MALDI-TOF



3rd Day

Biophysical measurements

-DSF



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