

HMMR link to annotation results

Protein domains annotated by [HMMER](#)

### ACT\_7 (PF13840.6)

#### ACT domain

Coordinates : 391 - 457

Alignment region: 393 - 453

Click to optimise solubility

AA\_kinase

ACT

ACT\_7

NAD\_binding\_3

Homoserine\_dh

Two-way slider

Regions with higher probability of solubility:

362 - 457

371 - 458

363 - 464

370 - 457

Regions with optimised solubility, clickable

#### PROBABILITY OF SOLUBILITY

**0.5842**

#### FLEXIBILITY

**0.9929**

#### GRAVY

**0.3478**

Currently selected sequence:

AVTERLAIISVVGDMRLRGISAKFFAALARANINIVIAQGSSERSISVVNNDC



[View DNA | optimise expression](#)

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[Detect signal peptide](#)

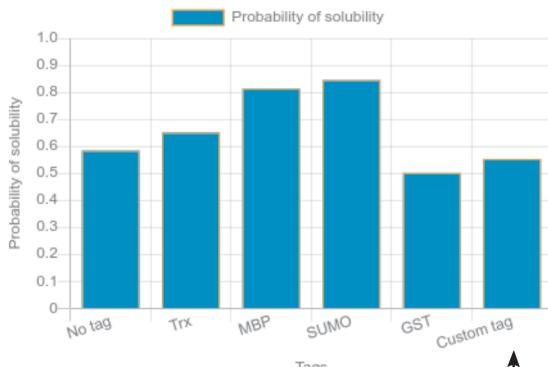
Protein



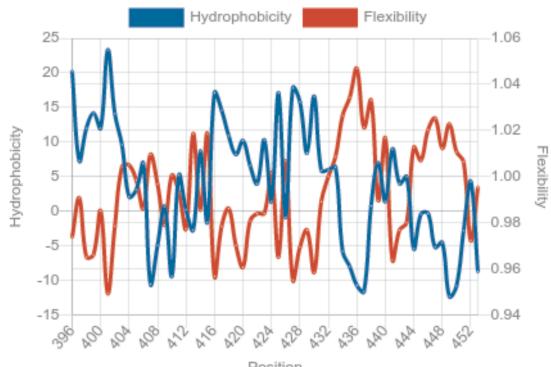
SAHHKYAAMMNC

### Custom fusion tag input

#### COMPARISON OF DIFFERENT TAGS WITH THE SELECTED REGION



#### HYDROPHOBICITY AND FLEXIBILITY OF THE SELECTED REGION



Solubility of the selected region (i.e. ACT domain) with the custom fusion tag