

INFORMATION SHEET	VERSION
<b>QUALITY CONTROL (QC) OF PURIFIED PROTEINS REQUEST FORM</b> <b>(PLEASE FILL IN ONE FORM PER PROTEIN)</b>	B

Lab name:  Unit Code:  Main budget Code:   
 Group leader:  Group leader E-mail:   
 Main contact:  Address:   
 Phone number:  Main contact mail:

The process will provide you with a full qualitative control (QC) of your purified protein and can help you identify conditions in which it is best behaved. We propose 2 levels of analysis:

### Choose your type of request

#### Initial sample assessment

**Option a:**

- Aggregation level (UV spectrum + DLS)
- Protein integrity (MALDI)
- Purity (MALDI, UV, electrophoresis)
- Quantification (UV, IR)

**Option b:**

- Aggregation level (UV spectrum + DLS)
- Protein integrity (MALDI)
- Purity (MALDI, UV, electrophoresis)
- Quantification (UV, IR)
- +
- Homogeneity and oligomerization state determination (Mass Photometry)

**None**

#### Sample optimization

**Option a:**

- Solubility and stability tests:
- Buffer screening (DLS / Viscosizer)

**Option b:**

- Solubility and stability tests:
- Buffer screening (DLS)
- +
- Sample storage conditions at 4°C, 20°C, -80°C, 4°C, 37°C (DLS)

**Option c:**

- Solubility and stability tests for structural studies:
- Buffer screening (DLS + nanoDSF)

**None**

Wished date of experiment

### Sample description

Name of protein  Protein origin

Type of produced protein

Protein concentration - select the method used

Please give: The available concentration  and volume

or total amount (if freeze-dried protein)  Storage temperature (-80°C, -20°C, 4°C)

Final buffer composition



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**Please insert the full peptidic sequence (If your protein contains tags and/or linker or any changes to the sequence, please take them into consideration) :**

**Please tick all the relevant boxes defining the downstream application**

- Antibody production*
                         
  *Biochemical studies*
                         
  *Molecular Biophysics*  
 *Structural determination*
                         
  *Other:*

**Did the downstream application succeed?**

### Safety Risks

Group of risk of the original organism:  group 1     group 2     group 3     group 4  
<https://www.legifrance.gouv.fr/loda/id/JORFTEXT000000548724>

Is the sample recombinant?  No     Yes    Please specify the host of expression:

Host's group of risk:  group 1     group 2     group 3     group 4

Is the sample an active virus?  No     Yes

Does the sample present a virulence factor?  No     Yes

Is the sample a prion protein?  No     Yes

Is the sample toxic?  No     Yes

Does the sample present any risk to human health?  No     Yes     Uncertain

Does the sample present any risk to the environment?  No     Yes     Uncertain

Is there any danger associated with the reception, the handling or the disposal of the protein sample?  
 No     Yes     Uncertain

**Please save the form and send it to [qcprotein@pasteur.fr](mailto:qcprotein@pasteur.fr)**

