

INFORMATION SHEET	VERSION
QUALITY CONTROL (QC) OF PURIFIED PROTEINS REQUEST FORM (PLEASE FILL IN ONE FORM PER PROTEIN)	C

Lab name:
Unit Code:
Main budget Code:

Group leader:
Group leader E-mail:

Main contact:
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		
<input type="radio"/> Option a <ul style="list-style-type: none"> - Aggregation level (UV spectrum + DLS) - Protein integrity (MALDI) - Purity (MALDI, UV, electrophoresis) - Quantification (UV, IR) 	<input type="radio"/> Option b <ul style="list-style-type: none"> - Aggregation level (UV spectrum + DLS) - Protein integrity (MALDI) - Purity (MALDI, UV, electrophoresis) - Quantification (UV, IR) + - Homogeneity and oligomerization state determination (MP) 	<input type="radio"/> None

Sample optimization		
<input type="radio"/> Option a <p>Solubility and stability tests:</p> <ul style="list-style-type: none"> - Buffer screening (DLS) + - Sample storage conditions at 4°C, 20°C, -80°C, 4°C, 37°C (DLS) 	<input type="radio"/> Option b <p>Solubility and stability tests for structural studies:</p> <ul style="list-style-type: none"> - Buffer screening (DLS + nanoDSF) 	<input type="radio"/> None

Wished date of experiment

Sample description

Name of protein
Protein origin

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

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) :

Degree of purity – please attach a picture of gel and/or chromatogram:

Purification protocol:

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>

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

