Please send the request form to [DB\_service@wuxiapptec.com](mailto:HitS_service@wuxiapptec.com), we will send the quotation to you with 2-3 working days.

|  |  |
| --- | --- |
| **Company Name** |  |
| Company Address |  |
| Website |  |
| **Contact** |  |
| Title |  |
| Tel |  |
| Email |  |

|  |  |
| --- | --- |
| **DB Contact/BD person** |  |
| Name  Email | Yu Yufang  [yu\_yufang@wuxiapptec.com](mailto:yu_yufang@wuxiapptec.com) |

Date of questionnaire submission to WuXi DB: *2022/1/1*

Deadline for Proposal Submission: *2022/1/1*

Expected project starting date: *2022/1/1*

Requested deliverable due date: *2022/1/1*

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| Requested analysis: |
| Labelled MST  Labelfree MST  both  Protein-small molecule interaction  Protein-DNA/RNA interaction  Ternary complex interactions, please specify:  Protein-protein interaction (only labelled MST)  DNA/RNA-small molecule interactions (only labelled MST)  Displacement setup (only labelled MST) |
| **Total Number of Target proteins:**  **Total Number of interaction partners to be analyzed:**  **Recommended assay buffer and DMSO concentration (if available):** |

|  |  |
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| Research Material Requirements: | |
| **Please provide for assay setup:**   * Target protein: 0.5 mg at a concentration of 10-20 µM * Compound(s): at least 1 mg (solid) or 15 µl of a 50 mM stock solution in DMSO; for low affinity binders please inform us before sending of compounds * Biophysically characterized tool compound that preferably binds to same binding site as the compounds of interest; expected affinity (Kd or IC50): ……………………………………… * 50 mL preferred assay buffer or buffer composition, if applicable | |
| Do you need WuXi DB to synthesize any project related materials  (if yes, please specify which materials you will need) | Yes  No  compound  Tool compound (positive control)  Any specific request, please clarify |

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| **Fluorescent Target Molecule (Protein) 1:** | |
| General information | |
| Name (full name and/or abbreviation) |  |
| Uniprot accession code |  |
| Already fluorescent? How? |  |
| Origin (human, mouse, etc.) |  |
| Source (commercial or “in-house”) |  |
| Biochemical details | |
| Number of residues (actual construct) |  |
| Number of Tryptophans |  |
| Molecular weight [Da] |  |
| Molar extinction coefficient [M-1 cm-1] |  |
| Oligomer (please specify if possible) | Yes, No |
| Details (SS bridges, etc.) (if any) |  |
| Co-factors for binding/activity (e.g. Ca2+-dependent) |  |
| Fusion protein with a tag? (His, GST, etc.) |  |
| Availability and stability | |
| Purity |  |
| Activity (please specify if possible) |  |
| Storage buffer |  |
| Concentration [µM] / [mg/mL] |  |
| Volume [ml] |  |
| Stability and storage (temperature, pH, salt, etc.) |  |
| Comments | |
|  | |

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| **Small molecule interactions to analyze:** | | | | |
|  | Titrant (small molecule) | Expected Kd or IC50 (if available) | Solubility in assay buffer (if available) | Comments |
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