



Dear Client,

Thank you for choosing CATUG for your mRNA sample needs. To ensure optimal stability and performance of the mRNA samples in your research or project, please follow these detailed storage and handling instructions upon receiving your shipment.

1. Unpacking and Initial Storage

- Upon arrival, carefully unpack the samples from the insulated container.
- To avoid contamination, wear gloves when handling mRNA tubes, and keep fingers away from the tube opening.
- Inspect the samples to confirm product name and catalog number.

2. Immediate Storage Recommendation

- **Storage Temperature:** To preserve the integrity and activity of the mRNA, we recommend aliquoting the samples and storing them at **-80°C** as soon as possible.
- **Aliquoting:** Divide the sample into smaller aliquots based on your anticipated usage to minimize freeze-thaw cycles.
- **Labeling:** Clearly label each aliquot with relevant information (e.g., sample ID, date, and concentration) to ensure proper tracking and usage.

3. Handling Precautions

- **Avoid Freeze-Thaw Cycles:** Repeated freeze-thaw cycles can impact the stability and quality of mRNA. For best results, avoid thawing and refreezing aliquots.
- **Thawing:** When ready to use an aliquot, thaw it gently on ice or in a refrigerator (2-8°C). Avoid extended exposure to room temperature once thawed.
- **Mixing:** Gently mix the sample by pipetting; avoid vigorous shaking or vortexing, which may degrade the mRNA.

4. Contamination Prevention

- **Wear gloves:** To avoid contamination, always wear gloves when handling mRNA.
- **Use Clean Pipette Tips:** It is imperative to use a new, clean pipette tip each time you draw from a stock tube of mRNA.
- **RNase Free:** We highly recommend “RNase Free” practice when doing mRNA experiment including, cleaning bench surface with RNase-deactivating solution, using RNase free tubes and tips, diluting sample with RNase free water and buffer.

If you have any questions or need further assistance regarding mRNA sample handling, please feel free to contact our support team. We are committed to supporting your research every step of the way.

Warm regards,

Your CATUG team