

Human PPIB shRNA Plasmid (CAT# NV-2106-P24)

Material Safety Data Sheet

1. Identification of the Substance/Preparation and the Company/Undertaking

Identification of the Product:	Human PPIB shRNA Plasmid
Manufacturer/Supplier	Creative Biolabs
Identification:	SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA Fax: 1-631-207-8356 E-mail: info@creative-biolabs.com Website: neuros.creative-biolabs.com

2. Composition/Information on Ingredients

Substance:	Human PPIB shRNA Plasmid
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3. Hazard Identification

There is at present no information or indication of human health or physical/chemical hazardous properties. Exposure to eyes or skin or by inhalation or ingestion should be minimal under normal conditions of use. The usual precautions taken when handling chemicals should be observed.

4. First Aid Measures

Eye Contact:	Immediately flush with continuously running water.
Skin Contact:	Immediately wash affected area with soap and water.
Ingestion:	Rinse mouth with water. Induce vomiting. Immediately seek medical attention and call poison control center.
Inhalation:	Move to a well-ventilated area and seek medical attention if necessary.

5. Firefighting Measures

Extinguishing Media: Extinguish using suitable agents.

6. Accidental Release Measures

Person Related Precautionary Measure: Avoid substance contact.

Procedures for Cleaning/Absorption: Use liquid absorbent material to absorb the spill. Clean up the affected area.

Environmental Protection Measure: Do not allow to enter sewage system.

7. Handling and Storage

Precautions for Safe Handling: This material is believed to be non-hazardous. Avoid inhalation and contact with eyes, skin, and clothing. Avoid repeated or prolonged exposure. Wear protective clothing.

Storage: Store lyophilized shRNA plasmid DNA at -20 °C with desiccant. Stable for one year. Once resuspended, store at 4 °C for short term storage or -80 °C for long term storage. Avoid repeated freeze/thaw cycles.

8. Exposure Controls/Personal Protection

Eye Protection: Wear goggles or safety glasses.

Hand Protection: Wear latex or vinyl gloves.

Respiratory Protection: Required when vapors/aerosols are generated.

Ventilation: Use in well-ventilated laboratory.

Other Protective Equipment: Use lab coat or apron to prevent contact with eyes, skin, and clothing.

9. Physical and Chemical Properties

Appearance:	Liquid.
Odor:	Odorless.
Solubility:	Soluble upon reconstitution.

10. Stability and Reactivity

Chemical Stability:	product is stable.
Conditions to Avoid:	Not available.
Hazardous Decomposition Products:	CO ₂ , CO, oxides of nitrogen.

11. Toxicological Information

Quantitative data on the toxicity of this product is not available. No toxic effects are to be expected when the product is handled appropriately.

12. Ecological Information

Ecotoxicity:	Not available.
Persistence and Degradability:	Not available.

13. Disposal Considerations

Contact professional waste disposal companies for proposal disposal.

14. Transport Information

Not subject to transport regulations.

15. Regulatory Information

This product is not a hazardous material.

16. Other Information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.