

## AdipoUpX™ Human RAB23 MSCV Particle (Overexpression) (Cat. No.: V1225XX927)

This product is for research use only and is not intended for diagnostic use.

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

<b>Identification of the Product:</b>	AdipoUpX™ Human RAB23 MSCV Particle (Overexpression)
<b>Manufacturer/Supplier:</b>	Protheragen
<b>Identification:</b>	101-4 Colin Dr, Holbrook, NY 11741, USA
<b>Tel:</b>	1-631-506-1393
<b>Email:</b>	info@obesityscientific.com
<b>Web:</b>	<a href="https://www.obesityscientific.com">https://www.obesityscientific.com</a>

### 2. Composition/Information on Ingredients

<b>Substance:</b>	AdipoUpX™ Human RAB23 MSCV Particle (Overexpression)
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### 3. Hazard Identification

This product contains recombinant, replication-defective viral particles. While these vectors are non-infectious as defined, they are produced in cells where the possibility of recombination to form a wild-type virus exists. Consequently, this product should be handled as potentially infectious material under BSL-2 containment. The toxicological properties of these substances have not been fully investigated; therefore, all materials and mixtures should be used with caution by technically qualified personnel.

### 4. First Aid Measures

<b>Eye Contact:</b>	Immediately flush with continuously running water. Seek medical attention.
<b>Skin Contact:</b>	Immediately wash the affected area with soap and water. Seek medical attention.
<b>Ingestion:</b>	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately seek medical attention.
<b>Inhalation:</b>	Move to a well-ventilated area and seek medical attention if necessary.
<b>Notes to physician:</b>	Treat symptomatically.

## 5. Firefighting Measures

<b>Suitable Extinguishing Media:</b>	Dry chemical.
<b>Special Protective Equipment for Fire-Fighting:</b>	If necessary, use a self-contained breathing apparatus.

## 6. Accidental Release Measures

<b>Person Related Precautionary Measure:</b>	Avoid substance contact.
<b>Procedures for Cleaning/Absorption:</b>	Use liquid absorbent material to absorb the spill. Clean up the affected area.
<b>Environmental Protection Measure:</b>	Do not allow to enter sewage system.

## 7. Handling and Storage

<b>Handling:</b>	Handle as biohazardous material under BSL-2 containment. Ensure all operations are performed within a biosafety cabinet. Avoid inhalation and contact with eyes, skin, mucous membranes, and clothing. Avoid creating aerosols. Decontaminate all work surfaces and equipment after use.
<b>Storage:</b>	The necessity of immediate transfer to -80 °C storage following receipt is crucial for upholding the product's integrity.

## 8. Exposure Controls/Personal Protection

The toxicological properties of these substances have not been fully investigated. As all biological and chemical materials may harbor unknown hazards, this product must be handled exclusively by technically qualified personnel trained in the management of potentially hazardous agents.

<b>Eye Protection:</b>	Wear goggles or safety glasses.
<b>Hand Protection:</b>	Wear latex or vinyl gloves. Decontaminate hands thoroughly after removing gloves.
<b>Respiratory Protection:</b>	Not required under normal use within a certified BSC. In case of spills outside the BSC, use an approved N95 or HEPA-filtered respirator.
<b>Ventilation:</b>	Work must be performed in a certified and properly functioning BSC.
<b>Other Protective Equipment:</b>	Wear a full-length, long-sleeved lab coat or gown that wraps around the back.

## 9. Physical and Chemical Properties

<b>Form:</b>	N/A
<b>pH:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Flammability:</b>	N/A
<b>Oxidizing Properties:</b>	N/A
<b>Explosive Properties:</b>	N/A
<b>Vapor Pressure:</b>	N/A

## 10. Stability and Reactivity

Product is stable. Hazardous polymerization will not occur.

## 11. Toxicological Information

Quantitative data on the toxicity of this product are not available.

## 12. Ecological Information

<b>Ecotoxicity:</b>	Not available.
<b>Persistence and Degradability:</b>	Not available.

## 13. Disposal Considerations

<b>Spill &amp; Leak Procedures:</b>	In the event of a spill, contain the material immediately. Decontaminate the affected area using a validated disinfectant, such as 10% sodium hypochlorite (final concentration), a phenolic-based disinfectant (e.g., Wescodyne), or an equivalent detergent-based germicide.
<b>Waste Disposal:</b>	Sterilize via autoclaving at 121°C for 30–45 minutes prior to disposal.
<b>Infected Liquid Cultures:</b>	Decontaminate with 10% bleach (f.c.) for a minimum of 10 minutes before neutralized disposal via approved drainage systems.
<b>Biohazardous Waste:</b>	Contact professional waste disposal companies for proposal disposal with all applicable Federal, State, and Local environmental regulations.

## 14. Classification and Regulatory Information

This product has been classified according to the hazard criteria of the CPR, and the MSDS contains all of the information required by the CPR.

## 15. Transport Information

This product is typically shipped in specialized insulated containers with Dry Ice.

<b>Proper Shipping Name:</b>	Not classified as dangerous in the meaning of transport regulations.
<b>Hazard Class:</b>	No information available
<b>Subsidiary Class:</b>	No information available
<b>Packing group:</b>	No information available
<b>UN-NO:</b>	UN 1845

## 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. The information in this MSDS does not constitute any express or implied warranty, including any implied warranty of merchantability or fitness for any particular purpose.