

## Product datasheet for **AR00123PU-N**

### Parainfluenza Virus 1 (Strain Sendai) Protein

#### Product data:

<b>Product Type:</b>	Native Proteins
<b>Description:</b>	Parainfluenza Virus 1 (Strain Sendai) protein, 1 mg
<b>Protein Source:</b>	Chicken eggs
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% pure (SDS-PAGE). Ultracentrifugation using 20-60% sucrose gradient
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 0.05M Tris-HCl, pH 8.0 containing 0.1M Sodium chloride, 5mM EDTA and 0.02% Sodium azide
<b>Preparation:</b>	Liquid purified protein
<b>Applications:</b>	Serological studies of parainfluenza virus, immunogen for antibody production.
<b>Protein Description:</b>	Parainfluenza Type I virus, Strain Sendai
<b>Note:</b>	This product has been treated in a manner consistent with methods of inactivation. Generally accepted good laboratory practices appropriate to microbiological/viral safe handling practices and techniques are required when handling this product.
<b>Storage:</b>	Store the protein at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Summary:</b>	Human parainfluenza viruses (HPIV) were first discovered in the late 1950s. HPIV is genetically and antigenically divided into types 1 to 4. HPIV 1 to HPIV 3 are major causes of lower respiratory infections in infants, young children, the immunocompromised, the chronically ill, and the elderly. Each subtype can cause somewhat unique clinical diseases in different hosts. HPIV are enveloped and of medium size (150 to 250 nm), and their RNA genome is in the negative sense. These viruses belong to the Paramyxoviridae family, one of the largest and most rapidly growing groups of viruses causing significant human and veterinary disease. HPIV are closely related to recently discovered megamyxoviruses (Hendra and Nipah viruses) and metapneumovirus.



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