

Product Data Sheet

Cat # RP-1414

Rubella Virus E2 Recombinant

Size: 100ug

The rubella virus (RV) structural proteins capsid, E2, and E1 are synthesized as a polyprotein precursor. The signal peptide that initiates translocation of E2 into the lumen of the endoplasmic reticulum remains attached to the carboxy terminus of the capsid protein after cleavage by signal peptidase. 20mM imidazol, 8M urea and 0.3M NaCl. Immunoreactive with sera of Rubella Virus infected individuals.

Source: The E.Coli derived recombinant protein contains the Rubella Virus E2 regions, 31-105 amino acids. Rubella protein was purified by proprietary chromatographic technique.

Applications and Suggested Dilutions: Rubella protein is >95% pure as determined by 10% PAGE (coomassie staining). Rubella antigen is suitable for ELISA and Western blots, excellent antigen for detection of Rubella Virus with minimal specificity problems. Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: Rubella protein is shipped at ambient temperature. Upon arrival, Store at -20°C. Five years frozen. One month in solution at room temperature. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage.

Usage:

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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