

## Rubella virus E1 Mosaic (157-176,374-390,213-239) - Purified

**Catalog No.:** AR10687PU-L

**Quantity:** 1 mg

**Concentration:** 1.0 mg/ml

**Background:** Rubella virus is an enveloped positive-strand RNA virus of the family TOGAVIRIDAE: Virions are composed of three structural proteins: a capsid and two membrane-spanning glycoproteins, E2 and E1. During virus assembly, the capsid interacts with genomic RNA to form nucleocapsids. 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.

**Source:** E. coli

**Format:** **Purity:** Protein is >95.0% pure as determined by 10.0% PAGE (coomassie staining).

**Purification Method:** Ion Exchange Chromatography.

**Buffer System:** 20mM Imidazol, 8M Urea, 0.3 M NaCl

**Applications:** Antigen in ELISA and Western blots, excellent antigen for detection of Rubella virus with minimal specificity problems.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Description:** *E.coli* derived recombinant. The protein contains the Rubella virus E1 regions, 157-176, 374-390, 213-239 amino acids.

**Specificity:** Immunoreactive with sera of Rubella virus-infected individuals.

**Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.