

## Rubella E1

**Description:** The E.Coli derived recombinant protein contains the Rubella Virus E1 regions, 157-176, 374-390, 213-239 amino acids. The protein is fused to a GST-tag.

**Catalog #:** RUPS-298

**Purity:** Rubella protein is >95% pure as determined by 10% PAGE (coomassie staining).

For research use only.

**Purification Method:**

Rubella protein was purified by proprietary chromatographic technique.

**Specificity:**

Immunoreactive with sera of Rubella Virus infected individuals.

**Formulation:**

20mM Tris-HCl pH 8.0, 1.5M urea, 10mM b-mercaptoethanol and 25% glycerol.

**Stability:**

Rubella E1 Protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Applications:**

Rubella antigen is suitable for ELISA and Western blots, excellent antigen for detection of Rubella Virus with minimal specificity problems.

**Introduction:**

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.

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