

Recombinant Rubella Virus Envelope GlycoProtein E2 Protein

Cat. No. Envelope-756R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The protein contains the Rubella Virus glycoprotein E2 immunodominant regions, amino acids 31-105. The protein is purified by proprietary chromatographic technique.
Species	RUBV
Source	E.coli
ProteinLength	31-105 a.a.
Description	Rubella virus is an enveloped positivestrand RNA virus of the family TOGAVIRIDAE. The genome encodes two open reading frames (ORFs): the 5'-proximal ORF encodes viral nonstructural proteins (NSP) that are responsible for viral genome replication, while the 3'-proximal ORF encodes three virion structural proteins (SP), the capsid protein (CP), and the two envelope 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.
Form	20 mM imidazole, 8 M urea and 0.3 M NaCl
Purity	> 95 % (SDS-PAGE)
Applications	ELISA; Western Blot

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Storage	Store at -20 centigrade, avoid freeze/thaw cycles.
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GENE INFORMATION

Official Symbol	Envelope
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Synonyms	Envelope
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