abcam

Product datasheet

Recombinant Rubella Virus capsid protein ab74574

2 References 1 Image

Description

Product name	Recombinant Rubella Virus capsid protein
Purity	> 90 % SDS-PAGE. Purified by ultracentifugation.
Expression system	Saccharomyces cerevisiae
Protein length	Full length protein
Animal free	No
Nature	Recombinant

Specifications

Our **Abpromise guarantee** covers the use of **ab74574** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE ELISA Western blot
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C. Constituent: PBS
Reconstitution	Reconstitute with PBS or 8M urea (to obtain 0.5 mg/ml protein stock solution). After reconstitution in PBS store at -20°C. Avoid freeze / thaw cycles. Proteins reconstituted in 8M urea store at 4°C.

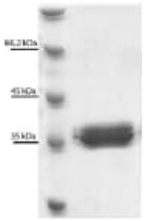
General Info

Relevance	Rubella virus is the only member of the Rubrivirus genus of the Togavirus family. Unlike most Togaviruses it is NOT arthropod borne, but is acquired via the respiratory route. It causes German measles (a mild contagious eruptive disease, capable of producing congenital defects in infants born to mothers infected during the first three months of pregnancy). Rubella virus is an enveloped positive-strand RNA virus. 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.

Cellular localization Cytoplasmic in host cells concentrated around Golgi region and mitochondrion.

Images



SDS-PAGE - Recombinant Rubella Virus capsid protein (ab74574)

SDS-PAGE showing ab74574 at approximately 35kDa (2µg/lane)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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