

## Envelope Protein (E) Recombinant Protein | E recombinant protein

Recombinant Envelope Protein (E)

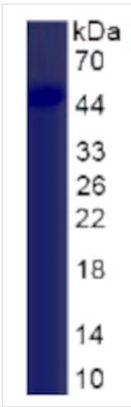
|                               |                       |                                            |                                               |
|-------------------------------|-----------------------|--------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA149303</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Pan-species (General)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|--------------------------------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Envelope Protein (E); Recombinant Envelope Protein (E); E Protein; Zika Virus Envelope glycoprotein; E recombinant protein

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity                                        | Pan-species (General)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purity/Purification                               | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                       | PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration                                     | Original Concentration: 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for E recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source                                            | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Residues                                          | Ile1~Lys409                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tags                                              | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Subcellular Location                              | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Traits                                            | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Predicted isoelectric point                       | 6.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Usage                                             | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                           | <p><b>Storage:</b><br/> Avoid repeated freeze/thaw cycles.<br/> Store at 2-8 degree C for one month.<br/> Aliquot and store at -80 degree C for 12 months.</p> <p><b>Stability Test:</b><br/> The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |



IRCLQVSNRD FVEQMSGGM VDWLEHGGC VTPMAQDKPT VOIELVTTTV SNMAEVRSYG YEASISOMAS DSRCPDQGEA  
YLDKQSDTQV VCKRTLVDRG WONGCGLFOK GSLVTCMFA CSKMTGKSI QPENLEYRTH LSNHKSQNSG REINDTGHEI  
DENRAKVEIT PMSPRAEATL GFGSLGLDC EPRDGLDFSD LLYLTNNKH WLHKEMFHD IFLPAHAGAO TGTPHANNKE  
ALVEFKDAHA KRQTVVVLGS QEGAVHTALA GALEAEMDGA KGRLLSGHLK CRLKMDKLRLL KQVSYSLCTA AFTFTKIPAE  
TLHGTVTVEV QYAGTDGPKC VPAQMAVMD TLTPVGRLLT ANPVITESTE NSKMMLELDP PFGDSYIVIG VGEKKITHH  
HRSGSTIGK

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                         |                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #               | 1233266509                                                                                                         |
| Molecular Weight        | Predicted Molecular Mass: 48.3kDa<br>Accurate Molecular Mass: 48kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name | envelope protein                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/envelope-protein-e-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/149303>