

## Pre-small/secreted glycoprotein Recombinant Protein | GP recombinant protein

Recombinant Zaire ebolavirus (strain Eckron-76) (ZEBOV) (Zaire Ebola virus) Pre-small/secreted glycoprotein

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA115994</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

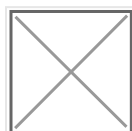
### PRODUCT SYNONYMS

Pre-small/secreted glycoprotein; Recombinant Zaire ebolavirus (strain Eckron-76) (ZEBOV) (Zaire Ebola virus) Pre-small/secreted glycoprotein; Cleaved into the following 2 chains: 1. Small/secreted glycoprotein; 2. sGP; 3. Delta-peptide; GP recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                          |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                 |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                          |
| Sequence Positions      | 33-364. Full length of the mature protein.                                                                                                                                                                                                                                                                                                                                                |
| Sequence                | IPLGVIHNST LQVNDVDKLV CRDKLSSTNQ LRSVGLNLEG NGVATDVPSA TKRWGFRSGV PPKVVNYEAG<br>EWAENCYNLE IKKPDGSECL PAAPDGIRGF PRCRYVHKVS GTGPCAGDFA FHKEGAFFLY DRLASTVIYR<br>GTTFAEGVVA FLILPQAKKD FFSSHPLREP VNATEDPSSG YYSTTIRYQA TGFGTNETEY LFEVDNLTYV<br>QLESRTFPQF LLQLNETIYT SGKRSNTTGK LIWKVNPEID TTIGEWAFWE TKKTSLEKFA VKSCLSQLYQ<br>TEPKTSVVRV RRELLPTQGP TQQLKTTKSW LQKIPLQWFK CTVKEGKLQC RI |
| Sequence Length         | 364                                                                                                                                                                                                                                                                                                                                                                                       |
| Species                 | Zaire ebolavirus (strain Eckron-76) (ZEBOV) (Zaire Ebola virus)                                                                                                                                                                                                                                                                                                                           |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                    |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GP recombinant protein | sGP seems to possess an anti-inflammatory activity as it can reverse the barrier-decreasing effects of TNF alpha. Might therefore contribute to the lack of inflammatory reaction seen during infection in spite the of extensive necrosis and massive virus production. Does not seem to be involved in activation of primary macrophages. Does not seem to interact specifically with neutrophils Delta-peptide does not seem to be involved in activation of primary macrophages. |
| References                                             | "Emergence of subtype Zaire Ebola virus in Gabon." Volchkov V., Volchkova V., Eckel C., Klenk H.-D., Bouloy M., Leguenno B., Feldmann H. Virology 232:139-144(1997)                                                                                                                                                                                                                                                                                                                  |

### NCBI AND UNIPROT INFORMATION

|                     |                         |
|---------------------|-------------------------|
| NCBI GI #           | <a href="#">8928464</a> |
| UniProt Accession # | <a href="#">P87670</a>  |

|                                   |                                 |
|-----------------------------------|---------------------------------|
| <b>Molecular Weight</b>           | 39.3 kDa                        |
| <b>NCBI Official Full Name</b>    | Pre-small/secreted glycoprotein |
| <b>UniProt Protein Name</b>       | Pre-small/secreted glycoprotein |
| <b>UniProt Gene Name</b>          | <b>GP</b>                       |
| <b>UniProt Synonym Gene Names</b> | pre-sGP; sGP                    |
| <b>UniProt Entry Name</b>         | VSGP_EBOEC                      |

**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/gp-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115994>