

Recombinant Zaire ebolavirus Pre-small/secreted glycoprotein

Catalog No: #AP72946

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Package Size: #AP72946-1 20ug #AP72946-2 100ug #AP72946-3 1mg

Description

Product Name	Recombinant Zaire ebolavirus Pre-small/secreted glycoprotein
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:33-364aaSequence Info:Full Length
Accession No.	P60171
Uniprot	Q05320
GeneID	911829;
Calculated MW	39.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>IPLGVIHNSTLQVSDVDKLVCRDKLSSTNQLRSVGLNLEGNGVATDVPSATKRWGFRSGVPPKVVNYEAGEW AENCYNLEIKKPDGSECLPAAPDGIRGFPRCRYVHKVSGTGPCAGDFAFHKEGAFFLYDRLASTVIYRGTTFA EGVVAFLILPQAKKDFSSHPLREPVNATEDPSSGYSTTIRYQATGFGTNETEYLFEVDNLTIVYQLESRFTPQ FLLQLNETIYTS GKRSNTTGKLIWKVNPEIDTTIGEWAFWETKKTSLKFAVKSCLSQLYQTEPKTSVVRVREL LPTQGPTQLKTTKSWLQKIPLQWFKCTVKEGKLCRI</p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

Background

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 (By similarity).By similarity Delta-peptide does not seem to be involved in activation of primary macrophages.

References

"The virion glycoproteins of Ebola viruses are encoded in two reading frames and are expressed through transcriptional editing."Sanchez A., Trappier S.G., Mahy B.W.J., Peters C.J., Nichol S.T.Proc. Natl. Acad. Sci. U.S.A. 93:3602-3607(1996)Research Topic:Others

Note: This product is for in vitro research use only