

Synonym

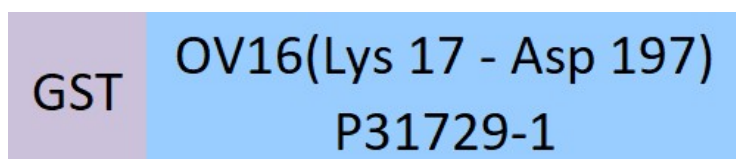
OV16,OV-16 antigen

Source

Onchocerca volvulus OV16, GST Tag(OV6-V51G4) is expressed from E.coli cells. It contains AA Lys 17 - Asp 197 (Accession # [P31729-1](#)).

Predicted N-terminus: Met

Molecular Characterization



This protein carries a GST tag at the N-terminus

The protein has a calculated MW of 46.8 kDa. The protein migrates as 45 kDa under reducing (R) condition (SDS-PAGE) .

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

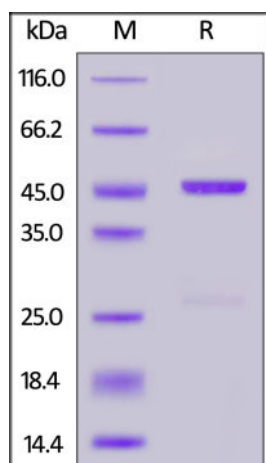
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Onchocerca volvulus OV16, GST Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Background

The OV16 antigen, localizes to the hypodermis, cuticle, and uterus of female O. volvulus is regarded as a highly sensitive and specific antigen for detection of IgG4 in people with prior exposure to onchocerciasis. It has an open reading frame that encodes a 152- amino acid polypeptide containing a 16-amino acid putative signal peptide. Enzyme-linked Immunosorbent Assay serological testing of OV-16 antigen is a diagnostic tool for determining effective elimination of the parasite.

Clinical and Translational Updates

Onchocerca volvulus OV16 protein, GST Tag

Catalog # OV6-V51G4



Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.