Recombinant Yellow Fever Virus NS1 Protein

Cat. No. NS1-23Y **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant yellow fever virus NS1 protein, sequence strain 17D, is produced as a hexamer in the human 293 cell line. This product has been purified and retains its native folding state and post-translational modifications providing optimal antigenicity.
Species	YFV
Source	HEK293
Description	Involved in immune evasion, pathogenesis and viral replication. Once cleaved off the polyprotein, is targeted to three destinations: the viral replication cycle, the plasma membrane and the extracellular compartment. Essential for viral replication. Required for formation of the replication complex and recruitment of other non-structural proteins to the ER-derived membrane structures. Excreted as a hexameric lipoparticle that plays a role against host immune response. Antagonizing the complement function. Binds to the host macrophages and dendritic cells. Inhibits signal transduction originating from Toll-like receptor 3 (TLR3).
Form	Liquid, Phosphate buffered saline
Purity	> 95 % by SDS PAGE analysis
Applications	ELISA
Storage	Store at -70 centigrade. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use
Concentration	Approximate protein concentration 0.513 mg/mL

GENE INFORMATION

Gene Name	POLY polyprotein [Yellow fever virus]
Official Symbol	NS1
Synonyms	POLY; polyprotein; polyprotein; core protein C; anchored core protein C; M protein precursor; matrix protein M; envelope protein; non-structural protein NS1; non-structural protein NS2a; non-structural protein NS2b; non-structural protein NS3; non-structural protein NS4a; 2K protein; non-structural protein NS4b; RNA-dependent RNA polymerase
Gene ID	1502173
Protein Refseq	NP_041726
UniProt ID	A0A2R4G6T0

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA