



# Recombinant yellow fever virus Env protein(aa 1-445) [His] (DAG-833)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The YFV genome is an 11kb single-stranded positive-sense RNA genome coding for a polyprotein, which is post- and co-translationally processed into three structural proteins and seven non-structural proteins. The largest of the structural proteins, the envelope (E) protein (445aa), is the major component of the virion surface. It is the primary immunogen and plays a central role in receptor binding and membrane fusion. It is the primary immunogen and plays a central role in receptor binding and membrane fusion.
<b>Purity</b>	>95%
<b>Conjugate</b>	His
<b>Applications</b>	Western Blotting: Purified YFVEN is ~50 KDa. Load ~100-200 ng/lane for good visibility with appropriate antibodies. ELISA (1:10-50K; using 50-100 ng antigen/well).
<b>Molecular Weight</b>	50 kDa
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements
<b>Size</b>	10 µg
<b>Buffer</b>	50 mM Tris-HCl, 8M urea, 0.5 mM EDTA, 5 mM b-Mercatoethanol, 0.25 M NaCl and 0.25 M imidazole
<b>Preservative</b>	None
<b>Storage</b>	Short-term: unopened, undiluted vials for less than a week at 4°C. Long-term: at -20°C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted

solutions.

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## BACKGROUND

### Keywords

Yellow fever virus; Envelope protein; E protein

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