

Human EDNRA Full Length Protein (VLP)

Catalog # EDA-H52P8



BIOSYSTEMS
Acro

Synonym

endothelin receptor type A, ETA,ET-A,ETAR,ETRA,MFDA,ETA-R,hET-AR

Source

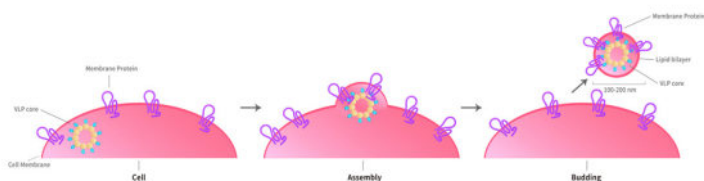
Human EDNRA Full Length Protein-VLP(EDA-H52P8) is expressed from human 293 cells (HEK293). It contains AA Asp 21 - Asn 427 (Accession # [P25101-1](#)).

Predicted N-terminus: Asp 21

Molecular Characterization

The protein has a calculated MW of 48.6 kDa | 56.1 kDa.

Virus-like particles(VLPs) are formed by self-assembly of envelop/capsid proteins from viruses. Membrane Proteins can be constituted in-situ with VLPs produced from HEK293 cell cultures. These VLPs concentrate conformationally intact membrane proteins directly on the cell surface and produce soluble, high-concentration proteins perfect for immunization and antibody screening.



The VLPs provide the display of properly folded membrane proteins in their native cellular membrane in a compact size of 100~300 nm diameter (similar to the size of most viruses) making it optimal targets for dendritic cells in vivo and surface attachment for phage display.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

*The isotype control of empty/mock VLP (Cat. No. [VLP-N5213](#)) is sold separately and not included in protein, you can follow [this link](#) for product information.

Formulation

The VLPs are highly immunogenic, so the immunization strategy should be optimized (antigen dose, regimen and adjuvant).

Supplied as 0.2 µm filtered solution in PBS, Arginine, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

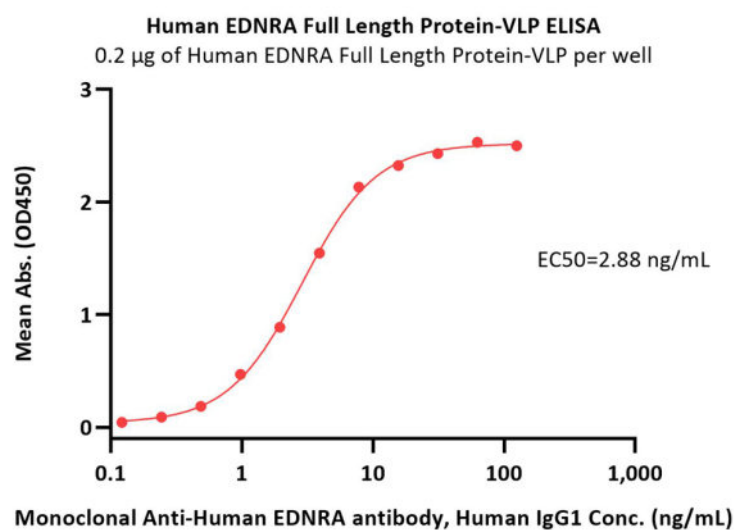
Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product **MUST** be stored at -70°C or lower upon receipt;
- -70°C for 12 months under sterile conditions.

Bioactivity-ELISA



Immobilized Human EDNRA Full Length Protein-VLP (Cat. No. EDA-H52P8) at 2 µg/mL (100 µL/well) can bind Monoclonal Anti-

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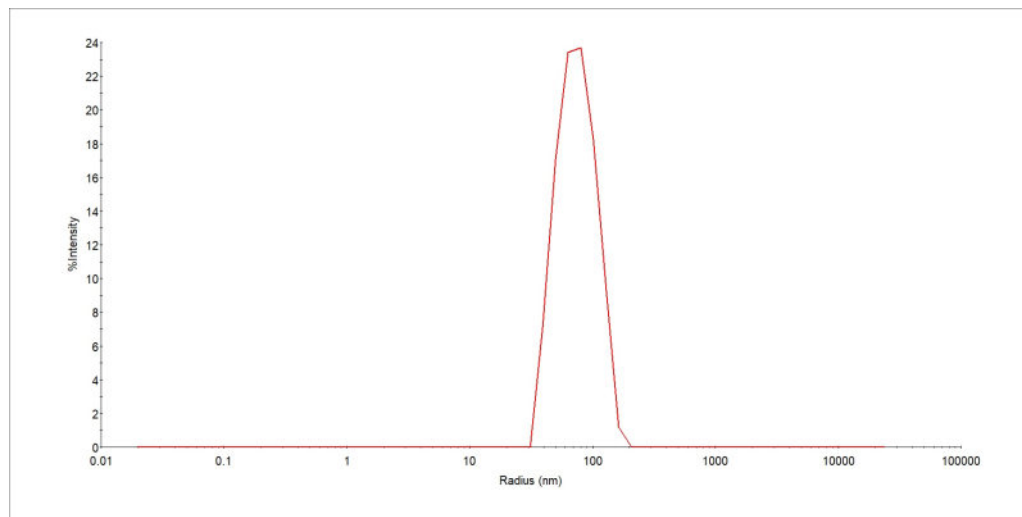
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Human EDNRA antibody, Human IgG1 with a linear range of 0.1-8 ng/mL (QC tested).

Identity-DLS



The mean peak Radius of VLP is 60-85 nm with more than 95% intensity as determined by dynamic light scattering (DLS).

Background

This gene encodes the receptor for endothelin-1, a peptide that plays a role in potent and long-lasting vasoconstriction. This receptor associates with guanine-nucleotide-binding (G) proteins, and this coupling activates a phosphatidylinositol-calcium sec.

Clinical and Translational Updates

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