

## **PRODUCT INFORMATION**

**Target EDNRA** 

EDNRA, ETA, Endothelin receptor A, ET-A **Synonyms** 

receptor, ETAR

Recombinant human EDNRA Protein with C-**Description** 

terminal human Fc tag

Delivery In Stock P25101 **Uniprot ID Expression Host** HFK293

Tag C-Human Fc tag

Molecular

**Purity** 

**Background** 

EDNRA(Asp21-Lys80) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 32.9 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

EDNRA (Endothelin receptor type A) is a G-protein coupled receptor (GPCR) that primarily binds endothelin-1 (ET-1). It couples to Gq/11 proteins, activating phospholipase C (PLC), increasing IP<sub>3</sub>/DAG and intracellular Ca<sup>2+</sup>, and triggering smooth muscle contraction. EDNRA is expressed in vascular smooth muscle, heart, and kidney,

where it regulates vasoconstriction, blood

pressure, and cardiovascular function. Dysregulation of EDNRA signaling is implicated in hypertension, heart failure, and pulmonary arterial hypertension, making it a key therapeutic

target in cardiovascular disease.

**Usage** Research use only

Conjugate Unconjugated

Email: info@dimabio.com Website: www.dimabio.com





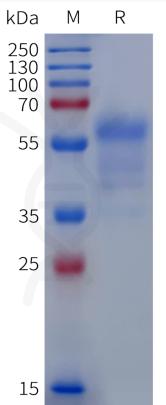


Figure 1. Human EDNRA Protein, hFc Tag on SDS-PAGE under reducing condition.



