HUMAN EDA PROTEIN, HFC TAG

Cat.#: 11457

Product Name: Human EDA Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: ED1;EDA2

Target: EDA

UNIPROT ID: Q92838

Description: Recombinant Human EDA Protein with N-terminal human Fc tag

Background: The protein encoded by this gene is a type II membrane protein that can be cleaved by furin to produce a secreted form. The encoded protein, which belongs to the tumor necrosis factor family, acts as a homotrimer and may be involved in cell-cell signaling during the development of ectodermal organs. Defects in this gene are a cause of ectodermal dysplasia, anhidrotic, which is also known as X-linked hypohidrotic ectodermal dysplasia. Several transcript variants encoding many different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 50.3 kDa after removal of the signal peptide.The apparent molecular mass of hFc-EDA is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: hFc(Glu99-Ala330) EDA(Ser160-Ser391)

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

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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

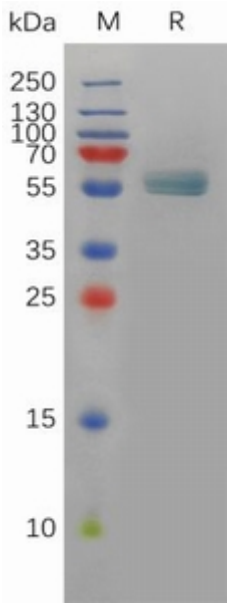

Figure 1. Human EDA Protein, hFc Tag on SDS-PAGE under reducing condition.