HUMAN ADAM15 PROTEIN, HFC TAG

Cat.#: 11541

Product Name: Human ADAM15 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: ADAM 15;MDC-15

Target: ADAM15

UNIPROT ID: Q13444

Description: Recombinant human ADAM15 protein with C-terminal human Fc tag

Background: The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as a EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 100.0 kDa after removal of the signal peptide. The apparent molecular mass of ADAM15-hFc is approximately 100-130 kDa due to glycosylation.

Molecular Characterization: ADAM15(Leu18-Thr696) hFc(Glu99-Ala330)

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.

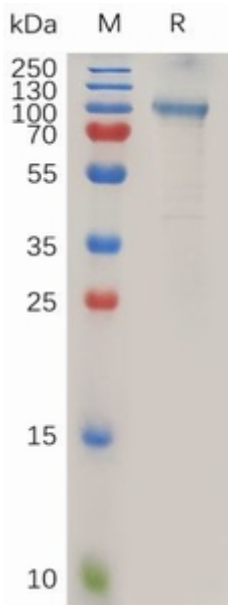

Figure 1. Human ADAM15 Protein, hFc Tag on SDS-PAGE under reducing condition.