## PRODUCT INFORMATION

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|---|---|
| **Target** | F2RL2 |
| **Synonyms** | F2RL2, PAR3, Protease-activated receptor 3, Thrombin receptor-like 2, Coagulation factor II receptor-like 2 |
| **Description** | Recombinant human F2RL2 Protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | O00254 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc tag |
| **Molecular Characterization** | F2RL2(Thr39-Thr94) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 32.2 kDa after removal of the signal peptide. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **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. |
| **Background** | F2RL2 (Protease-activated receptor 3, PAR3) is a G-protein coupled receptor (GPCR) activated by thrombin and other proteases. It primarily couples to Gq/11 and Gi proteins, initiating phospholipase C activation, intracellular $Ca^{2+}$ mobilization, and MAPK signaling. F2RL2 is expressed in platelets, endothelial cells, and vascular smooth muscle, where it participates in hemostasis, platelet activation, vascular inflammation, and thrombosis. Dysregulation of F2RL2 signaling is linked to coagulation disorders and cardiovascular diseases, making it a potential therapeutic target in thrombosis and vascular pathology. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

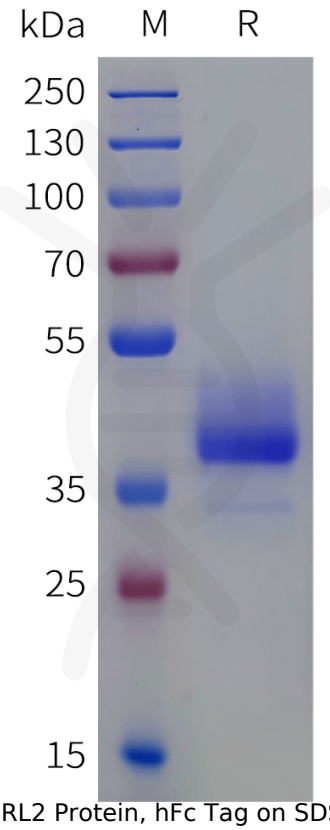


Figure 1. Human F2RL2 Protein, hFc Tag on SDS-PAGE under reducing condition.