

**HUMAN PTGER2 PROTEIN, HFC TAG****Cat.#:** 11711**Product Name:** Human PTGER2 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** EP2**Target:** PTGER2**UNIPROT ID:** P43116**Description:** Recombinant Human PTGER2 Protein with C-terminal human Fc tag**Background:** This gene encodes a receptor for prostaglandin E2, a metabolite of arachidonic acid which has different biologic activities in a wide range of tissues. Mutations in this gene are associated with aspirin-induced susceptibility to asthma. [provided by RefSeq, Oct 2009]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 28.7 kDa after removal of the signal peptide. The apparent molecular mass of PTGER2-hFc is approximately 35-55 kDa due to glycosylation.**Molecular Characterization:** PTGER2(Met1-Glu23) 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.

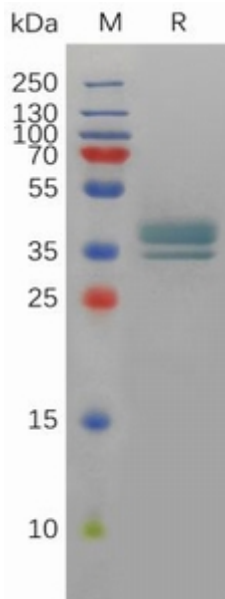


Figure 1. Human PTGER2 Protein, hFc Tag on SDS-PAGE under reducing condition.