

## 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.

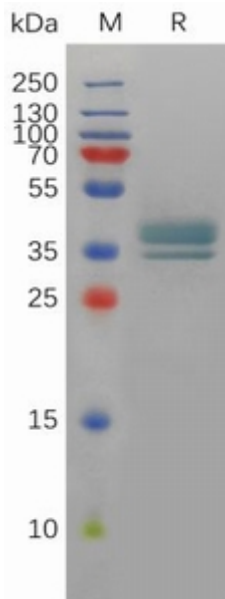


Figure 1. Human PTGER2 Protein, hFc Tag on SDS-PAGE under reducing condition.