

## HUMAN PTGFRN PROTEIN, HIS TAG

**Cat.#:** 11941

**Product Name:** Human PTGFRN Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CD9P-1;CD315;EWI-F;FPRP;SMAP-6

**Target:** PTGFRN

**UNIPROT ID:** Q9P2B2

**Description:** Recombinant Human PTGFRN Protein with C-terminal 6xHis tag

**Background:** Inhibits the binding of prostaglandin F<sub>2</sub>-alpha (PGF<sub>2</sub>-alpha) to its specific FP receptor, by decreasing the receptor number rather than the affinity constant. Functional coupling with the prostaglandin F<sub>2</sub>-alpha receptor seems to occur (By similarity). In myoblasts, associates with tetraspanins CD9 and CD81 to prevent myotube fusion during muscle regeneration (By similarity).[UniProtKB/Swiss-Prot Function]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 91.0 kDa after removal of the signal peptide. The apparent molecular mass of PTGFRN-His is approximately 100-130 kDa due to glycosylation.

**Molecular Characterization:** PTGFRN(Val26-Lys830) 6×His tag

**Purity:** The purity of the protein is greater than 85% 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.

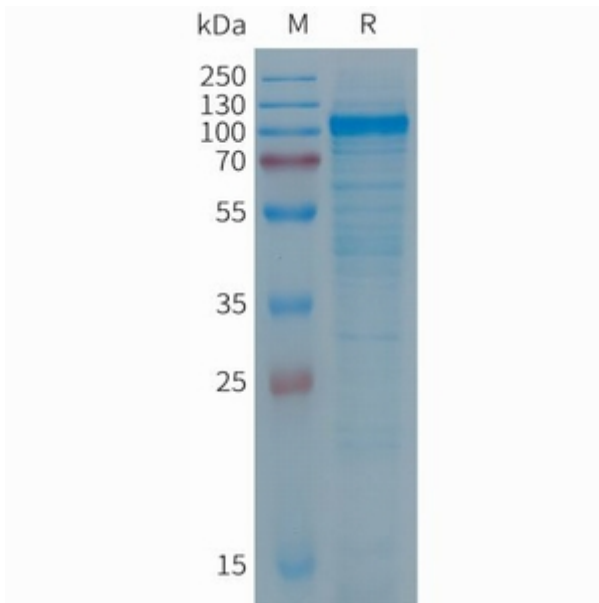


Figure 1. Human PTGFRN Protein, His Tag on SDS-PAGE under reducing condition.