

**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 F2-alpha (PGF2-alpha) to its specific FP receptor, by decreasing the receptor number rather than the affinity constant. Functional coupling with the prostaglandin F2-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.

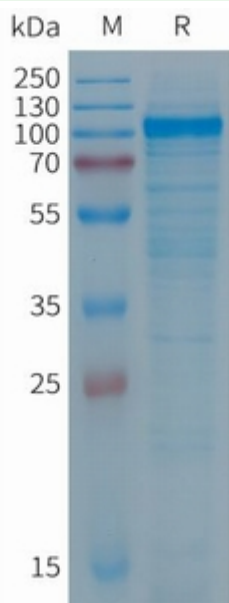


Figure 1. Human PTGFRN Protein, His Tag on SDS-PAGE under reducing condition.