

## 32-18562: Human PTPRG Protein, His Tag

**Gene :** PTPRG

**Uniprot ID :** P23470

**Alternative Name :** PTPG; HPTPG; RPTPG; R-PTP-GAMMA, Recombinant human PTPRG Protein with C-terminal 6xHis tag

### Description

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this PTP contains a carbonic anhydrase-like (CAH) domain, which is also found in the extracellular region of PTPRBETA/ZETA. This gene is located in a chromosomal region that is frequently deleted in renal cell carcinoma and lung carcinoma, thus is thought to be a candidate tumor suppressor gene. [provided by RefSeq, Jul 2008]

**Molecular Weight :** The protein has a predicted molecular mass of 79.6 kDa after removal of the signal peptide.

**Tag :** C-6xHis tag

### Product Info

**Amount :** 50µg / 10µg

**Purification :** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Content :** 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 condition :** 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.

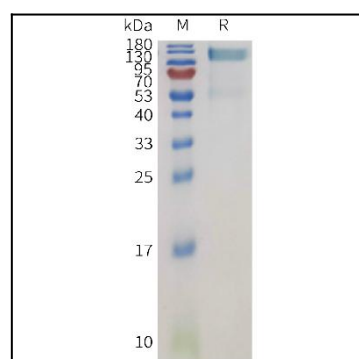


Figure 1. Human PTPRG Protein, His Tag on SDS-PAGE under reducing condition.