

PRODUCT INFORMATION

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| Target | PTPRG |
| Synonyms | PTPG; HPTPG; RPTPG; R-PTP-GAMMA |
| Description | Recombinant human PTPRG Protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | P23470 |
| Expression Host | HEK293 |
| Tag | C-6×His tag |
| Molecular Characterization | PTPRG(Val20-Glu736) 6×His tag |
| Molecular Weight | The protein has a predicted molecular mass of 79.6 kDa after removal of the signal peptide. |
| Purity | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | 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 & 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. |
| Background | 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] |
| Usage | Research use only |
| Conjugate | Unconjugated |





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

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