

## HUMAN PDGFD(19-370) PROTEIN, HIS TAG

**Cat.#:** 11830

**Product Name:** Human PDGFD(19-370) Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** IEGF;MSTP036;SCDGF-B;SCDGF-B

**Target:** PDGFD

**UNIPROT ID:** Q9GZP0

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

**Background:** The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a core motif of eight cysteines, seven of which are found in this factor. This gene product only forms homodimers and, therefore, does not dimerize with the other three family members. It differs from alpha and beta members of this family in having an unusual N-terminal domain, the CUB domain. Two splice variants have been identified for this gene. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 41.6 kDa after removal of the signal peptide. The apparent molecular mass of PDGFD(19-370)-His is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** PDGFD(Arg19-Arg370) 6xHis 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 PDGFD(19-370) Protein, His Tag on SDS-PAGE under reducing condition.