

Active Recombinant Human PDGFD protein, His-tagged

Cat. No. PDGFD-2572H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PDGFD protein(Q9GZP0)(19-370 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	19-370 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	<p>Platelet-derived growth factor D (PDGFD) is a protein that in humans is encoded by the PDGFD gene. The protein encoded by this gene is a member of the platelet-derived growth factor family. PDGF plays a significant role in blood vessel formation, the growth of blood vessels from already-existing blood vessel tissue, mitogenesis. PDGF also plays a role in embryonic development, cell proliferation, cell migration, and angiogenesis. Besides, Macrophage Erythroblast Attacher (MAEA) has been identified as an interactor of PDGFD, thus a binding ELISA assay was conducted to detect the interaction of recombinant human PDGFD and recombinant human MAEA. Briefly, PDGFD were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100µL were then transferred to MAEA-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-PDGFD pAb, then aspirated and washed 3 times. After incubation with HRP</p>

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labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µ stop solution to the wells and read at 450nm immediately. The binding activity of PDGFD and MAEA was shown, and this effect was in a dose dependent manner.

Molecular Mass 44.4kDa

Endotoxin <1.0EU per 1µg (determined by the LAL method).

Purity > 90%

Storage Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name PDGFD platelet derived growth factor D [Homo sapiens]

Official Symbol PDGFD

Synonyms PDGFD; platelet derived growth factor D; platelet-derived growth factor D; IEGF; MSTP036; SCDGF B; spinal cord derived growth factor B; PDGF-D; iris-expressed growth factor; spinal cord-derived growth factor B; spinal cord-derived growth factor-B; SCDGFB; SCDGF-B; MGC26867;

Gene ID 80310

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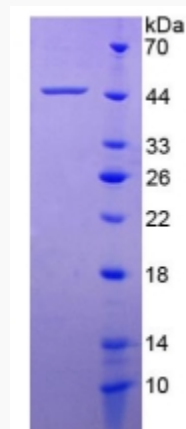
mRNA Refseq [NM_025208](#)

Protein Refseq [NP_079484](#)

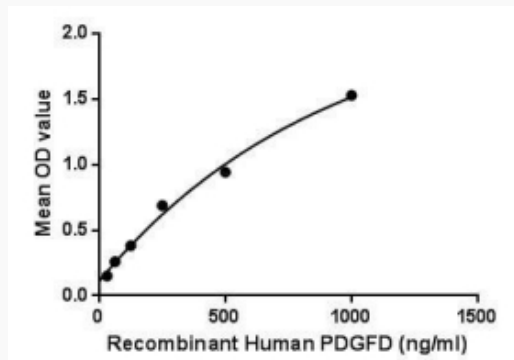
MIM [609673](#)

UniProt ID [Q9GZP0](#)

SDS-PAGE



Activity



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