

# Recombinant Human PDGFRA cell lysate

**Cat. No.** PDGFRA-001HCL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human PDGFRA / CD140a derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Preparation method</b>	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
<b>Lysis buffer</b>	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
<b>Quality control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue
<b>Recommended Usage</b>	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

reducing agent prior to heating.

**Stability**

Samples are stable for up to twelve months from date of receipt at -80°C

**Storage Buffer**

50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF

**Storage Instruction**

Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

## GENE INFORMATION

**Gene Name**

PDGFRA platelet-derived growth factor receptor, alpha polypeptide [ Homo sapiens ]

**Official Symbol**

PDGFRA

**Synonyms**

PDGFRA; platelet-derived growth factor receptor, alpha polypeptide; platelet-derived growth factor receptor alpha; CD140a; PDGFR2; PDGFR-alpha; PDGF-R-alpha; CD140a antigen; PDGFRA/BCR fusion; CD140 antigen-like family member A; platelet-derived growth factor receptor 2; alpha-type platelet-derived growth factor receptor; rearranged-in-hypereosinophilia-platelet derived growth factor receptor alpha fusion protein; CD140A; PDGFR-2; RHEPDGFRA; MGC74795;

**Gene ID**

5156

**mRNA Refseq**

NM\_006206

**Protein Refseq**

NP\_006197

**MIM**

173490

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<b>UniProt ID</b>	P16234
<b>Chromosome Location</b>	4q12
<b>Pathway</b>	ATF-2 transcription factor network, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signal transduction, organism-specific biosystem; Endocytosis, organism-specific biosystem;
<b>Function</b>	ATP binding; nucleotide binding; phosphatidylinositol 3-kinase binding; platelet-derived growth factor alpha-receptor activity; platelet-derived growth factor alpha-receptor activity; platelet-derived growth factor binding; platelet-derived growth factor binding; platelet-derived growth factor receptor binding; protein homodimerization activity; protein tyrosine kinase activity; receptor activity; transmembrane receptor protein tyrosine kinase activity; vascular endothelial growth factor binding; vascular endothelial growth factor-activated receptor activity;

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