



# Recombinant Cat Platelet-derived growth factor subunit B (PDGF<sub>B</sub>)

<b>Product Code</b>	CSB-BP017709CA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P12919
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Felis catus (Cat) (Felis silvestris catus)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SLGEAAGSP TVAEPAMIAE CKTRTEVFEV SRRLIDRTNA NFLVWPPCVE VQRCSGCCNN RNVQCRPTQV QLRLVQVRKI EIVRKRPVFK KATVTLEDHL ACKCETVVAA RPVT
<b>Source</b>	Baculovirus
<b>Target Names</b>	PDGF <sub>B</sub>
<b>Protein Names</b>	Recommended name: Platelet-derived growth factor subunit B Short name= PDGF subunit B Alternative name(s): PDGF-2 Platelet-derived growth factor B chain Platelet-derived growth factor beta polypeptide Proto-oncogene c-Sis
<b>Expression Region</b>	82-194
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein 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 motif of eight cysteines. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 7, at sites where this gene and that for COL1A1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two alternatively spliced transcript variants encoding different isoforms have been identified for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.