

Datasheet for ABIN935729

**IGF1 Protein****1** Publication[Go to Product page](#)

## Overview

Quantity:	5 µg
Target:	IGF1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant

## Product Details

Sequence:	LPVPPQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPE TANVTMQLLK IRSGDRPSYV ELTFSQHVCRCRPLREKMK PERCGDAVPR R
Characteristics:	Purified recombinant Human PIGF1 protein Expression System: Sf-9 insect cells
Purity:	> 90 % pure

## Target Details

Target:	IGF1
Alternative Name:	IGF1 ( <a href="#">IGF1 Products</a> )
Background:	Human Placenta Growth Factor-1 (PIGF-1), a 19 kDa protein consisting of 131 amino acid residues is produced as a homodimer. Human Placenta Growth Factor (PIGF) is a polypeptide growth factor and a member of the platelet-derived growth factor family but more related to vascular endothelial growth factor (VEGF). PIGF-1 acts only as a very weak mitogen for some endothelial cell types and as a potent chemoattractant for monocytes. The physiological

## Target Details

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function in vivo is still controversial. In several reports it was shown not to be a potent mitogen for endothelial cells and not angiogenic in vivo by using different assays.

Alternative Names: PGF protein, PIGF-1, PIGF 1, PIGF protein, PIGF 1 protein, PIGF1, Placenta Growth Factor-1 protein, PIGF-1 protein

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Molecular Weight: 19 kDa

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Pathways: [RTK Signaling](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Peptide Hormone Metabolism](#), [Hormone Activity](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [Stem Cell Maintenance](#), [Glycosaminoglycan Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#), [Smooth Muscle Cell Migration](#), [Activated T Cell Proliferation](#), [Positive Regulation of fat Cell Differentiation](#)

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## Application Details

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Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Reconstituted with 50 mM acetic acid or PBS.

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Buffer: Lyophilized with carrier-protein (HSA) and can be

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Handling Advice: Avoid repeated freeze/thaw cycles.

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Storage: 4 °C/-20 °C

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Storage Comment: Store at -20 °C until reconstitution. Following reconstitution product may be stored at 4 °C in the short term. For long term storage aliquot and freeze at -20 °C.

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## Publications

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Product cited in: Ablonczy, Crosson: "VEGF modulation of retinal pigment epithelium resistance." in: **Experimental eye research**, Vol. 85, Issue 6, pp. 762-71, (2007) ([PubMed](#)).