

## Product datasheet for **AR31058PU-N**

### Placenta growth factor / PGF Rat Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Placenta growth factor / PGF rat recombinant protein, 5 µg
<b>Species:</b>	Rat
<b>Expression Host:</b>	Insect
<b>Expression cDNA Clone or AA Sequence:</b>	ALSAGNNSTE MEVVPFNEVW GRSYCRPMEK LVYIADEHPN EVSHIFSPSC VLLSRCGCG GDEGLHCVAL KTANITMQIL KIPPNRDPHS YVEMTFSQDV LCECRPILET TKAERRKTKG KRKQSKTQTE EPHL Result by N-terminal sequencing: ALSAGNNSTE MEV
<b>Predicted MW:</b>	15.14 kDa
<b>Purity:</b>	>95% by SDS-PAGE and Silver stain
<b>Buffer:</b>	Presentation State: Purified State: Lyophilized freeze dried protein without additives.
<b>Bioactivity:</b>	Biological: Measured by its ability to bind to immobilized rh-sFlt-1 in a functional ELISA. Recombinant rat PlGF can bind to immobilized rh-sFlt-1 (100ng/well) with a linear range at 0.1-5ng/ml.
<b>Endotoxin:</b>	< 0.1ng per µg of Rat PlGF
<b>Reconstitution Method:</b>	Restore with water. This solution can be diluted into other buffered solutions or stored frozen for future use.
<b>Preparation:</b>	Lyophilized freeze dried protein without additives.
<b>Protein Description:</b>	Recombinant Rat Placenta Growth Factor. The full ORF of rat PlGF (Met1-Leu158) was cloned from total RNA of rat sinusoidal endothelial cells using standard protocols. The native protein expressed in insect cells starts with Ala24.
<b>Storage:</b>	The lyophilized Rat PlGF, though stable at room temperature, is best stored in working aliquots at -20°C to -70°C. Avoid repeated freeze-thaw cycles!
<b>RefSeq:</b>	<a href="#">NP_446047</a>
<b>Locus ID:</b>	94203
<b>UniProt ID:</b>	<a href="#">Q63434</a>



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Cytogenetics: 6q31

Synonyms: Plgf

Summary: forms a heterodimer with VEGF; may play a role in vascular endothelial cell proliferation [RGD, Feb 2006]

### Product images:

