

Product datasheet for **AR31058PU-S**

Placenta growth factor / PGF Rat Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Placenta growth factor / PGF rat recombinant protein, 2 µg
Species:	Rat
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	ALSAGNNSTE MEVVPFNEVW GRSYCRPMEK LVYIADEHPN EVSHIFSPSC VLLSRCGCG GDEGLHCVAL KTANITMQIL KIPPNRDPHS YVEMTFSQDV LCECRPILET TKAERRKTKG KRKQSKTQTE EPHL Result by N-terminal sequencing: ALSAGNNSTE MEV
Predicted MW:	15.14 kDa
Purity:	>95% by SDS-PAGE and Silver stain
Buffer:	Presentation State: Purified State: Lyophilized freeze dried protein without additives.
Bioactivity:	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.
Endotoxin:	< 0.1ng per µg of Rat PlGF
Reconstitution Method:	Restore with water. This solution can be diluted into other buffered solutions or stored frozen for future use.
Preparation:	Lyophilized freeze dried protein without additives.
Protein Description:	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.
Storage:	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!
RefSeq:	NP_446047
Locus ID:	94203
UniProt ID:	Q63434



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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:

