

Product datasheet for **AR26011PU-L**

Placenta growth factor / PGF Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Placenta growth factor / PGF mouse recombinant protein, 20 µg
Species:	Mouse
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	ALSAGNNSTE VEVVPFNEVW GRSYCRPMEK LVYILDEYPD EVSHIFSPSC VLLSRCSGCC GDEGLHCVPI KTANITMQIL KIPPNRDPHF YVEMTFSQDV LCECRPILET TKAERRKTKG KRKRSRNQTE EPHP
Predicted MW:	~ 40 kDa
Purity:	>95% by SDS-PAGE and silver stain
Buffer:	Presentation State: Purified State: Lyophilized protein Buffer System: 25 mM Tris, 75 mM NaCl pH 8.5 Stabilizer: BSA
Bioactivity:	Biological: Measured by its ability to bind to immobilized rh-sFlt-1 in a functional ELISA. Recombinant mouse PlGF can bind to immobilized rh-sFlt-1 (100 ng/well) with a linear range at 0.5-10 ng/ml.
Endotoxin:	< 0.1 ng per µg of PlGF
Reconstitution Method:	PlGF is supplied in lyophilized form with carrier-protein (BSA) and can be reconstituted with 50mM Acetic Acid or PBS/water. This solution can be diluted into other buffered solutions.
Preparation:	Lyophilized protein
Protein Description:	Mouse recombinant Placenta Growth Factor, aa. 135 / 132 <u>Result by N-terminal sequencing:</u> ALSAGNNSTE and AGNNSTE
Note:	There are two equal forms, (i) Ala24 to Pro158 and (ii) Ala27 to Pro158. Protein RefSeq: NP_032853 mRNA RefSeq: NM_008827
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001258634
Locus ID:	18654
UniProt ID:	Q544A5
Cytogenetics:	12 39.58 cM
Synonyms:	AI854365; PIGF; Plgf
Summary:	Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Also promotes cell tumor growth (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

