

## Product datasheet for **AR26011PU-S**

### Placenta growth factor / PGF Mouse Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Placenta growth factor / PGF mouse recombinant protein, 2 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:                         | ~ kDa   |
| Purity:                               | >95% by SDS-PAGE and silver stain   |
| Buffer:                               | Presentation State: Purified<br>State: Lyophilized protein<br>Buffer System: 25 mM Tris, 75 mM NaCl pH 8.5<br>Stabilizer: BSA   |
| Bioactivity:                          | Biological: Measured by its ability to bind to immobilized rh-sFlt-1 in a functional ELISA.<br>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<br><b><u>Result by N-terminal sequencing:</u></b> ALSAGNNSTE and AGNNSTE  |
| Note:                                 | There are two equal forms, (i) Ala24 to Pro158 and (ii) Ala27 to Pro158.<br>Protein RefSeq: NP_032853<br>mRNA RefSeq: NM_008827   |
| Storage:                              | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.<br>Avoid repeated freezing and thawing. |



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| Stability:    | Shelf life: one year from despatch.   |
| RefSeq:       | <a href="#">NP_001258634</a>  |
| Locus ID:     | 18654   |
| UniProt ID:   | <a href="#">Q544A5</a>  |
| 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:

