

## Product datasheet for **DA3510X**

### Placenta growth factor / PGF (Isoform PIGF-2) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Placenta growth factor / PGF (Isoform PIGF-2) human recombinant protein, 20 µg  |
| Species:                              | Human   |
| Expression Host:                      | Insect  |
| Expression cDNA Clone or AA Sequence: | LPAVPPQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPLREKMK PERRRPKGRG KRRREKQRPT DCHLCGDAVP RR  |
| Predicted MW:                         | ~ 45 kDa  |
| Purity:                               | >80% pure by SDS-PAGE and visualised by silver stain.   |
| Buffer:                               | Presentation State: Purified<br>State: Lyophilized purified protein.<br>Buffer System: 50 mM Acetic Acid with BSA (50-fold) as stabilizer.  |
| Bioactivity:                          | Biological: Measured by its ability to bind to immobilized recombinant Human sFlt-1 in a functional ELISA.<br>Recombinant human PIGF-2 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 PIGF-2   |
| Reconstitution Method:                | Restore with 50 mM Acetic Acid or PBS/Water. Centrifuge vial before opening!  |
| Preparation:                          | Lyophilized purified protein.   |
| Protein Description:                  | Recombinant Human Placenta Growth Factor-2 / PIGF-2.<br><b>Result by N-terminal sequencing:</b> LPAVPPQWA<br><b>Length (aa):</b> 152  |
| 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.     |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <a href="#">NP_001193941</a>  |



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|                          |   |
|--------------------------|---|
| <b>Locus ID:</b>         | 5228  |
| <b>UniProt ID:</b>       | <a href="#">P49763</a> , <a href="#">Q86TW6</a>   |
| <b>Cytogenetics:</b>     | 14q24.3   |
| <b>Synonyms:</b>         | D12S1900; PGFL; PIGF; PLGF; PIGF-2; SHGC-10760  |
| <b>Summary:</b>          | This gene encodes a growth factor found in placenta which is homologous to vascular endothelial growth factor. Alternatively spliced transcripts encoding different isoforms have been found for this gene.[provided by RefSeq, Jun 2011] |
| <b>Protein Families:</b> | Druggable Genome, Secreted Protein  |
| <b>Protein Pathways:</b> | Bladder cancer, Focal adhesion, mTOR signaling pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma   |