

## **Product datasheet for TP728135M**

### OriGene Technologies, Inc.

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## PGF (19-170, His-Tag) Human Recombinant Protein

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant human PIGF-2 protein

Species: Human Expression Host: HEK293

**Expression cDNA Clone** 

or AA Sequence:

LPAVPPQQWA LSAGNGSSEV EVVPFQEVWG RSYCRALERL VDVVSEYPSE VEHMFSPSCV SLLRCTGCCG DENLHCVPVE TANVTMQLLK IRSGDRPSYV ELTFSQHVRC ECRPLREKMK

PERRRPKGRG KRRREKQRPT DCHLCGDAVP RR

Tag: His-Tag

Predicted MW: 18.1kDa (158aa)

**Concentration:** 0.5mg/ml (determined by Absorbance at 280nm)

Purity: > 90% by SDS - PAGE

**Buffer:** Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

**Bioactivity:** Measured by its binding ability in a functional ELISA with Human VEGFR1/Flt-1 (CAT#

ATGP4101).

**Endotoxin:** < 1 EU per 1ug of protein (determined by LAL method)

**Applications:** SDS-PAGE, Bioactivity

Storage: Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -

80C. Avoid repeated freezing and thawing cycles.

**RefSeq:** NP 002623.2

**Summary:** PIGF-2, as know as placenta growth factor, is a member of the VEGF sub-family that a key

molecule in angiogenesis and vasculogenesis, in particular during embryogenesis. It is ultimately associated with angiogenesis. Specifically, it plays a role in trophoblast growth and differentiation. Also it is a potential biomarker for preeclampsia, a condition in which blood vessels in the placenta are too narrow, resulting in high blood pressure. Under normal physiologic conditions, it is also expressed at a low level in other organs including the heart,

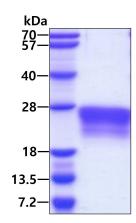
lung, thyroid, and skeletal muscle. Recombinant human PIGF-2, fused to His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography

techniques.





# **Product images:**



#### Human VEGFR1/Flt-1 (ug/ml)

