

## Product datasheet for **TP728135L**

### 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:	<a href="#">NP_002623.2</a>
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.



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## Product images:

