

## ARG70316 Mouse PLGF recombinant protein (Fc-His-tagged, C-ter)

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	HEK293 expressed, Fc-His-tagged (C-ter) Mouse PLGF recombinant protein.
Tested Reactivity	Ms
Tested Application	Binding, SDS-PAGE
Target Name	PLGF
Species	Mouse
A.A. Sequence	Met1 - Pro158 of Mouse PLGF (NP_032853.1) with an Fc-6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	PGFL; PIGF; PIGF-2; SHGC-10760; Placenta growth factor; D12S1900; PLGF

### Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human VEGFR1 at 500ng/ml (100 µl/well) can bind Recombinant Mouse PLGF with a linear range of 12-49 ng/ml.
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### Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 87% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

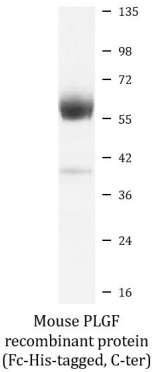
### Bioinformation

Gene Symbol	PGF
Gene Full Name	placental growth factor
Background	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]
Function	Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PIGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner. Also promotes cell tumor growth. [UniProt]
Calculated Mw	25 kDa

PTM	N-glycosylated. [UniProt]
Cellular Localization	Secreted. Note=The three isoforms are secreted but PLGF-2 appears to remain cell attached unless released by heparin. [UniProt]

Images

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ARG70316 Mouse PLGF recombinant protein (Fc-His-tagged, C-ter)  
SDS-PAGE image

SDS-PAGE analysis of ARG70316 Mouse PLGF recombinant protein (Fc-His-tagged, C-ter).