

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.
------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Properties

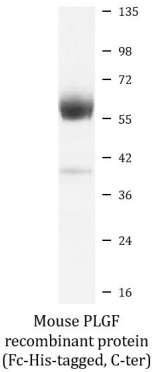
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 87% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After 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



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).