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PGF Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50158

Basic Information

Catalog No.
RM50158

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

Enables growth factor activity. Involved in positive regulation of cell population proliferation. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Implicated in several diseases, including brain ischemia; diabetic neuropathy; glioblastoma; myocardial infarction; and pancreatic endocrine carcinoma. Biomarker of several diseases, including artery disease (multiple); autoimmune disease of musculoskeletal system (multiple); epilepsy (multiple); limited scleroderma; and pancreatic endocrine carcinoma.

Gene Information

Gene Symbol
PGF

Species
Human

Gene ID
5228

Swiss Prot
P49763

Synonyms
PGFL; PlGF; PLGF; PlGF-2; D12S1900; SHGC-10760

Product Information

Description
PGF Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.
Allele-1:exon2 was deleted
Allele-2:exon2 was deleted
Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging
1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions
4℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

Protocol
To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Contact

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Sequencing data

```
WT    TTTTCTGTCCATAG***Deletion***AGCGTGGGTGCAGG
Mut   TTTTCTGTCCATAG***Deletion***AGCGTGGGTGCAGG
AIlele-1:    exon2 was deleted

WT    TTTTCTGTCCATAG***Deletion***AGCGTGGGTGCAGG
Mut   TTTTCTGTCCATAG***Deletion***AGCGTGGGTGCAGG
AIlele-2:    exon2 was deleted
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Genome sequence analysis of PCR products from parental (WT) and PGF knockout (KO) 293T cells, using sanger sequencing.