PIK3R1/PIK3R3 (Human) Cell-Based ELISA Kit

Catalog # KA5650 Size 1 Kit

Specification

Product Description	PIK3R1/PIK3R3 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of PI3-kinase p85-alpha/gamma expression in cultured cells.
Suitable Sample	Attached cell, loosely attached cell and suspension cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulatory Status	For research use only (RUO)
Storage Instruction	Store at 4°C for six months.

Applications

- Qualitative

Gene Info — PIK3R1

Entrez GeneID	5295
Protein Accession#	P27986; Q92569
Gene Name	PIK3R1
Gene Alias	GRB1, p85, p85-ALPHA
Gene Description	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)

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Omim ID	171833
Gene Ontology	Hyperlink
Gene Summary	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prim e position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85 , 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase pla ys an important role in the metabolic actions of insulin, and a mutation in this gene has been asso ciated with insulin resistance. Alternative splicing of this gene results in three transcript variants en coding different isoforms. [provided by RefSeq
Other Designations	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)|phosphatidylinositol 3 -kinase, regulatory, 1|phosphatidylinositol 3-kinase-associated p-85 alpha|phosphoinositide-3-kin ase, regulatory subunit 1 (p85 alpha)|phosphoinositide-3-ki

Gene Info — PIK3R3

Entrez GeneID	8503
Protein Accession#	P27986; Q92569
Gene Name	PIK3R3
Gene Alias	DKFZp686P05226, FLJ41892, p55, p55-GAMMA
Gene Description	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)
Omim ID	606076
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	100% homology to SWISS-PROT Q92569|OTTHUMP00000009783|OTTHUMP00000009786|ph osphatidylinositol 3-kinase, regulatory subunit, polypeptide 3 (p55, gamma)|phosphoinositide-3-ki nase, regulatory subunit 3 (p55, gamma)|phosphoinositide-3-kinase, regulatory subun

Pathway

- Acute myeloid leukemia
- Acute myeloid leukemia
- Apoptosis
- Apoptosis

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- B cell receptor signaling pathway
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Chronic myeloid leukemia
- Colorectal cancer
- Colorectal cancer
- Endometrial cancer
- Endometrial cancer
- ErbB signaling pathway
- ErbB signaling pathway
- Fc epsilon RI signaling pathway
- Fc epsilon RI signaling pathway
- Fc gamma R-mediated phagocytosis
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Focal adhesion
- Glioma
- Glioma
- Insulin signaling pathway
- Insulin signaling pathway
- Jak-STAT signaling pathway
- Jak-STAT signaling pathway
- Leukocyte transendothelial migration
- Leukocyte transendothelial migration

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- Melanoma
- Melanoma
- mTOR signaling pathway
- mTOR signaling pathway
- Natural killer cell mediated cytotoxicity
- Natural killer cell mediated cytotoxicity
- Neurotrophin signaling pathway
- Neurotrophin signaling pathway
- Non-small cell lung cancer
- Non-small cell lung cancer
- Pancreatic cancer
- Pancreatic cancer
- Pathways in cancer
- Pathways in cancer
- Phosphatidylinositol signaling system
- Phosphatidylinositol signaling system
- Prostate cancer
- Prostate cancer
- Regulation of actin cytoskeleton
- Regulation of actin cytoskeleton
- Renal cell carcinoma
- Renal cell carcinoma
- Small cell lung cancer
- Small cell lung cancer
- T cell receptor signaling pathway
- T cell receptor signaling pathway

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- Toll-like receptor signaling pathway
- Toll-like receptor signaling pathway
- Type II diabetes mellitus
- Type II diabetes mellitus
- VEGF signaling pathway
- VEGF signaling pathway

Disease

- Alzheimer disease
- Body Weight
- Cardiovascular Diseases
- Colon cancer
- Colonic Neoplasms
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glucose Intolerance
- HIV Infections
- Hypercholesterolemia
- Hypertension
- Insulin Resistance
- Kidney Failure
- Neoplasms
- Obesity

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- Pancreatic cancer
- Pancreatic Neoplasms
- Periodontitis
- Polycystic Ovary Syndrome
- Prostatic Neoplasms
- Prostatic Neoplasms
- Tobacco Use Disorder
- Tobacco Use Disorder

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