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## Datasheet for ABIN4886132 IGF1R ELISA Kit

### Overview

Quantity:	96 tests
Target:	IGF1R
Binding Specificity:	pTyr
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

### Product Details

Purpose:	Human Phosphotyrosine IGF-1R ELISA Kit. This assay semi-quantitatively measures phosphotyrosine IGF-1R in lysate samples.
Sample Type:	Cell Lysate, Tissue Lysate
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	The antibody pair provided in this kit recognizes Human Tyrosine-Phosphorylated-IGFIR.
Characteristics:	<ul style="list-style-type: none"><li>• Rapidly measure phosphorylated protein in lysates</li><li>• Screen numerous different cell lysates without performing a Western Blot analysis</li><li>• Minimal hands-on time, convenient, and non-radioactive material</li></ul>
Components:	<ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Biotinylated Anti-Phosphotyrosine Antibody</li><li>• Stop Solution</li></ul>

## Product Details

- Assay Diluent(s)
- Positive Control Sample
- Lysis Buffer
- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

- Material not included:
- Distilled or deionized water
  - 100 mL and 1 liter graduated cylinders
  - Tubes to prepare sample dilutions
  - Protease and Phosphatase inhibitors
  - Precision pipettes to deliver 2 µL to 1 mL volumes
  - Adjustable 1-25 mL pipettes for reagent preparation
  - Benchtop rocker or shaker
  - Microplate reader capable of measuring absorbance at 450 nm

## Target Details

Target:	IGF1R
Alternative Name:	IGF-1 R ( <a href="#">IGF1R Products</a> )
Gene ID:	3480
UniProt:	<a href="#">P08069</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">Autophagy</a>

## Application Details

Sample Volume:	100 µL
Plate:	Pre-coated
Protocol:	<ol style="list-style-type: none"><li>1. Prepare all reagents and samples as instructed in the manual.</li><li>2. Add 100 µL of sample or positive control to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 °C.</li><li>4. Add 100 µL of prepared primary antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 µL of prepared 1X HRP-Streptavidin to each well.</li><li>7. Incubate 1 h at RT.</li><li>8. Add 100 µL of TMB One-Step Substrate Reagent to each well.</li><li>9. Incubate 30 min at RT.</li><li>10. Add 50 µL of Stop Solution to each well.</li></ol>

Application Details

11. Read at 450 nm immediately.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Storage Comment: Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C.

Expiry Date: 6 months