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Datasheet for ABIN5674847  
**SLC30A7 ELISA Kit**

### Overview

Quantity:	96 tests
Target:	SLC30A7
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	78.125 pg/mL - 5000 pg/mL
Minimum Detection Limit:	78.125 pg/mL
Application:	ELISA

### Product Details

Sample Type:	Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	29.3 pg/mL
Components:	Pre-coated, ready to use 96-well strip plate Standard (freeze dried) Standard Diluent Detection Reagent A Detection Reagent B Assay Diluent A Assay Diluent B TMB Substhumane

## Product Details

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Stop Solution  
Wash Buffer(30 x concenthumane)  
Plate sealer for 96 wells  
Instruction manual

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Material not included:

1. Microplate reader with  $450 \pm 10$ nm filter.
2. Precision single or multi-channel pipettes and disposable tips.
3. Eppendorf Tubes for diluting samples.
4. Deionized or distilled water.
5. Absorbent paper for blotting the microtiter plate.
6. Container for Wash Solution.

## Target Details

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Target: SLC30A7

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Alternative Name: Solute Carrier Family 30 Member 7 (SLC30A7) ([SLC30A7 Products](#))

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Background: Alternative name: ZNT7, ZnTL2, Zinc Transporter 7, Znt-like transporter 2

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Gene ID: 310801

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UniProt: [Q5BJM8](#)

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Pathways: [Peptide Hormone Metabolism](#), [Transition Metal Ion Homeostasis](#), [SARS-CoV-2 Protein Interactome](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Assay Time: 1 - 4.5 h

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Plate: Pre-coated

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Protocol:

1. Prepare all reagents, samples and standards
2. Add 100 $\mu$ L standard or sample to each well. Incubate 2 hours at 37°C
3. Aspirate and add 100 $\mu$ L prepared Detection Reagent A. Incubate 1 hour at 37°C
4. Aspirate and wash 3 times
5. Add 100 $\mu$ L prepared Detection Reagent B. Incubate 1 hour at 37°C
6. Aspirate and wash 5 times
7. Add 90 $\mu$ L Substrate Solution. Incubate 15-25 minutes at 37°C
8. Add 50 $\mu$ L Stop Solution. Read at 450nm immediately.

## Application Details

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Restrictions: For Research Use only

## Handling

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Storage: 4 °C

Expiry Date: 12 months