

[Go to Product page](#)

## Datasheet for ABIN7092815 GLUT4 Protein (Fc Tag)

### Overview

Quantity:	100 µg
Target:	GLUT4 (SLC2A4)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLUT4 protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant Human SLC2A4 with C-terminal human Fc tag
Specificity:	SLC2A4 (Asn46-Thr78) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	GLUT4 (SLC2A4)
Alternative Name:	SLC2A4 ( <a href="#">SLC2A4 Products</a> )
Background:	Synonyms: GLUT4 Description: This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative

## Target Details

glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM).

[provided by RefSeq, Jul 2008]

**Molecular Weight:** predicted molecular mass of 29.7 kDa after removal of the signal peptide. The apparent molecular mass of SLC2A4-hFc is 35-55 kDa due to glycosylation.

**UniProt:** [P14672](#)

**Pathways:** [AMPK Signaling](#), [Carbohydrate Homeostasis](#), [Proton Transport](#), [Brown Fat Cell Differentiation](#), [Warburg Effect](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

**Reconstitution:** Reconstitute with deionized water

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

**Storage:** -20 °C, -80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months