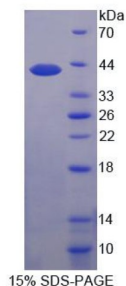
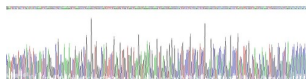


## Human Glucose Transporter 4 / GLUT4 (SLC2A4) Protein

Catalogue No.: abx168617



SDS-PAGE analysis of recombinant Human GLUT4 Protein.



Gene sequencing extract of recombinant Human GLUT4 Protein.

Human GLUT4 is a recombinant Human protein produced in a Prokaryotic expression system (E. coli).

This protein is the immunogen for the following antibodies: [abx131590](#)

**Target:** Glucose Transporter 4 / GLUT4 (SLC2A4)

**Origin:** Human

**Expression:** Recombinant

**Tested Applications:** WB, SDS-PAGE

**Host:** E. coli

**Conjugation:** Unconjugated

**Form:** Lyophilized

**Purity:** > 95%

**Reconstitution:** Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/ml. Do not vortex.

**Storage:** Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 7.0.0  
Revision date: 11 Apr 2025



**UniProt Primary AC:** P14672 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** SLC2A4

**GeneID:** [6517](#)

**KEGG:** hsa:6517

**String:** [9606.ENSP00000320935](#)

**Molecular Weight:** Calculated MW: 37.5 kDa

Observed MW (SDS-PAGE): 41 kDa

Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

**Sequence Fragment:** Arg228-Val292

**Sequence:** RYL YIIQNLEGPA RKSLKRLTGW ADVSGVLAEL KDEKRKLERE RPLSLLQLLG SRTHRQPLII AV

**Tag:** N-terminal His tag and GST tag

**Buffer:** Prior to lyophilization: 20 mM Tris, 150 mM NaCl, pH 8.0, containing 0.01% Sarcosyl, 5% Trehalose.

**Activity:** Not tested

**Concentration:** Prior to lyophilization: 50 µg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.