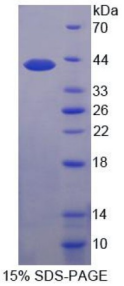
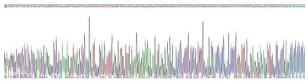
Human Glucose Transporter 4 / GLUT4 (SLC2A4) Protein

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_2O 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.

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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, glycoslyation, 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.

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