

Glucose Transporter 1 (GLUT1) Recombinant Protein | GLUT1 recombinant protein

Recombinant Glucose Transporter 1 (GLUT1)

CATALOG # AAA152341	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Glucose Transporter 1 (GLUT1); Recombinant Glucose Transporter 1 (GLUT1); GLUT1/Glucose Transporter 1; SLC2A1; SLC2-A1; GLUT; Solute Carrier Family 2 Member 1; Facilitated Glucose Transporter; Glucose transporter type 1; erythrocyte/brain; HepG2 glucose transporter; GLUT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 100ug/mL (varies by lot)
Applicable Applications for GLUT1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Met251~Glu329
Tags	Two N-terminal Tags, His-tag and SUMO-tag
Subcellular Location	Membrane
Predicted isoelectric point	9.6
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-0.5 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

SDS-PAGE		Gene Sequence	
SDS-PAGE		Gene Sequencing (extract)	
Sequence			

ADDITIONAL INFORMATION

Product Categories/Family for GLUT1 recombinant protein	Signal transduction; Metabolic pathway; Endocrinology; Prokaryotic Recombinant proteins/RP
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NCBI AND UNIPROT INFORMATION

Molecular Weight	Predicted Molecular Mass: 22.4kDa Accurate Molecular Mass: 27kDa as determined by SDS-PAGE reducing conditions
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/glucose-transporter-1-glut1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/152341>