

Glucose Transporter 4 (GLUT4) Recombinant Protein | GLUT4 recombinant protein

Recombinant Glucose Transporter 4 (GLUT4)

CATALOG # AAA147161	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Glucose Transporter 4 (GLUT4); Recombinant Glucose Transporter 4 (GLUT4); GLUT4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 80%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 1000ug/mL (varies by lot)
Applicable Applications for GLUT4 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Arg228~Val292
Tags	N-terminal His and GST Tag
Subcellular Location	Membrane
Predicted isoelectric point	10.4
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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°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°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



Identification



SDS-PAGE



Sequence



ADDITIONAL INFORMATION

Product Categories/Family for GLUT4 recombinant protein	Recombinant Protein
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507011
NCBI GeneID	6517
NCBI Accession #	NP_001033.1
NCBI GenBank Nucleotide #	NM_001042.2
UniProt Accession #	P14672; Q05BQ3; Q14CX2
Molecular Weight	Predicted Molecular Mass: 37.5kDa Accurate Molecular Mass: 41kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 4
NCBI Official Synonym Full Names	solute carrier family 2 member 4
NCBI Official Symbol	SLC2A4
NCBI Official Synonym Symbols	GLUT4
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 4
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 4
UniProt Gene Name	SLC2A4
UniProt Synonym Gene Names	GLUT4; GLUT-4

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/slc2a4-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/147161>