

Glucose Transporter 2 (GLUT2) Recombinant Protein | GLUT2 recombinant protein

Recombinant Glucose Transporter 2 (GLUT2)

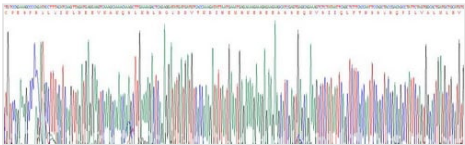
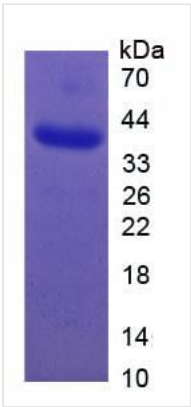
CATALOG # AAA148308	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Glucose Transporter 2 (GLUT2); Recombinant Glucose Transporter 2 (GLUT2); SLC2A2; SLC2-A2; Solute carrier family 2; facilitated glucose transporter member 2; Glucose transporter type 2; liver; GLUT2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for GLUT2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Cys239~Pro303
Tags	N-terminal His and GST Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	8.1
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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

CP ESPRYLYIKL

DEEVKAKQSL KRLRGYDDVT KDINEMRKER EEASSEQKVS IIQLFTNSSY

RQP

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for GLUT2 recombinant protein	Metabolic pathway; Endocrinology; Hepatology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557851
NCBI GeneID	6514
NCBI Accession #	NP_000331.1
NCBI GenBank Nucleotide #	NM_000340.1
UniProt Accession #	P11168; Q9UCW9; A8K481; B2R936; B7Z547; F8W8V8
Molecular Weight	Predicted Molecular Mass: 37.7kDa Accurate Molecular Mass: 42kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 2 isoform 1
NCBI Official Synonym Full Names	solute carrier family 2 member 2
NCBI Official Symbol	SLC2A2
NCBI Official Synonym Symbols	GLUT2
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 2
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 2
UniProt Gene Name	SLC2A2
UniProt Synonym Gene Names	GLUT2; GLUT-2

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.