

Product datasheet for **TP313717L**

GLUT4 (SLC2A4) (NM_001042) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human solute carrier family 2 (facilitated glucose transporter), member 4 (SLC2A4), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213717 representing NM_001042 Red =Cloning site Green =Tags(s)

MPSGFQQIGSEEDGEPPQQRVTGTLVLAVFSAVLGSLQFGYNIGVINAPQKVIEQSYNETWLGRQGPEGPS
SIPPGTLTLWALSVAIFSVGGMISSFLIGIISQWLGRKRAMLVNNVLAVLGGSLMGLANAAASYEMLIL
GRFLIGAYSGLTSGLVPMYVGEIAPTHLRGALGTLNQLAIVIGILIAQVLGLESLLGTASLWPLLLGLTV
LPALLQLVLLPFCPESPRYLYIIQNLEGPARKSLKRLTGWADVSGVLAELKDEKRLERERPLSLLQLLG
SRTHRQPLIIAVVLQLSQQLSGINAVFYYSTSIFETAGVGQPAYATIGAGWNTVFTLVSVLLVERAGR
TLHLLGLAGMCGCAILMTVALLLLERVPAHSVIVAFGFVAFVEIGPGPIPWVFAELFSQGPRPAAM
AVAGFSNWTSNFIIGMGFQYVAEAMGPYVFLFAVLLGFFIFTFLRVPETRGRFTDQISAAFHRTPSL
EQEVPKSTELEYLGPDEND

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

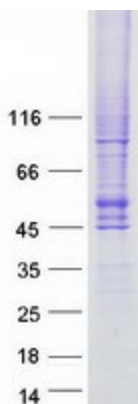
Tag:	C-Myc/DDK
Predicted MW:	54.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001033</u>
Locus ID:	6517
UniProt ID:	<u>P14672</u>
RefSeq Size:	2128
Cytogenetics:	17p13.1
RefSeq ORF:	1527
Synonyms:	GLUT4
Summary:	This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM). [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway, Insulin signaling pathway, Type II diabetes mellitus

Product images:



Coomassie blue staining of purified SLC2A4 protein (Cat# [TP313717]). The protein was produced from HEK293T cells transfected with SLC2A4 cDNA clone (Cat# [RC213717]) using MegaTran 2.0 (Cat# [TT210002]).