

Product datasheet for **TP322696**

Glucose Transporter GLUT1 (SLC2A1) (NM_006516) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human solute carrier family 2 (facilitated glucose transporter), member 1 (SLC2A1), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC222696 representing NM_006516
Red=Cloning site **Green**=Tags(s)

MEPSSKCLTGRMLAVGGAVLGSLQFGYNTGVINAPQKVIEEFYNQTTWVHRYGESILPTTLTTLWLSLSVA
IFSVGGMIGSFSVGLFVNRFGRNSMLMMNLLAFVSAVLMGFSKLGKSFEMILIGRFIIGVYCGLTGTFV
PMYVGEVSPTALRGALGTLHQLGIVVGILIAQVFLDSIMGNKDLWPLLSIIFIPALLQCIVLPFCPEP
PRFLLINRNEENRAKSVLKKLRGTADVTHDLQEMKEESRQMMREKKVTILELFRSPAYRQPILIAVVLQL
SQQLSGINAVFYSTSI FEKAGVQQPVYATIGSGIVNTAFTVVSFLVVERAGRRTLHLIGLAGMAGCAIL
MTIALALLEQLPWMSYLSIVAIFGFVAFFEVGPGPIPWFIVAELFSQGPRPAAIAVAGFSNWTSNFIVGM
CFQYVEQLCGPYVFIIFTVLLVLFIFTYFKVPETKGRTFDEIASGFRQGGASQSDKTPEELFHPLGADS
QV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 53.9 kDa

Concentration: >0.1 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.

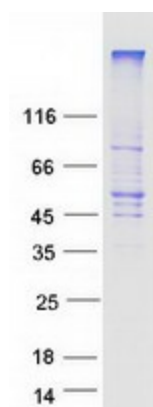
Storage: Store at -80°C.



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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:	NP_006507
Locus ID:	6513
UniProt ID:	P11166 , Q59GX2
RefSeq Size:	2856
Cytogenetics:	1p34.2
RefSeq ORF:	1476
Synonyms:	CSE; DYT9; DYT17; DYT18; EIG12; GLUT; GLUT-1; GLUT1; GLUT1DS; HTLVR; PED; SDCHCN
Summary:	This gene encodes a major glucose transporter in the mammalian blood-brain barrier. The encoded protein is found primarily in the cell membrane and on the cell surface, where it can also function as a receptor for human T-cell leukemia virus (HTLV) I and II. Mutations in this gene have been found in a family with paroxysmal exertion-induced dyskinesia. [provided by RefSeq, Apr 2013]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway, Pathways in cancer, Renal cell carcinoma

Product images:



Coomassie blue staining of purified SLC2A1 protein (Cat# TP322696). The protein was produced from HEK293T cells transfected with SLC2A1 cDNA clone (Cat# [RC222696]) using MegaTran 2.0 (Cat# [TT210002]).