

Product datasheet for **TP507871**

Slc2a1 (NM_011400) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse solute carrier family 2 (facilitated glucose transporter), member 1 (Slc2a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207871 protein sequence Red =Cloning site Green =Tags(s)

MDPSSKKVTGRLMLAVGGAVLGSQFGYNTGVINAPQKVIEEFYNQTNHRYGEPSTTLTTLWLSLSVA
IFSVGGMIGSFSVGLFVNRFGRNSMLMMNLLAFVAAVLMGFSKLGKSFEMLILGRFIIGVYCGLTGTFV
PMYVGEVSPTALRGALGTLHQLGIVVGILIAQVFLDSIMGNADLWPLLLSVIFIPALLQCILLPFCPES
PRFLLINRNEENRAKSVLKKLRGTADVTRDLQEMKEEGRQMMREKKVTILELFRSPAYRQPILIAVVLQL
SQQLSGINAVFYSTSI FEKAGVQQPVYATIGSGIVNTAFTVVSFLVVERAGRRTLHLIGLAGMAGCAVL
MTIALALLERLPWMSYLSIVAIFGFVAFFEVGPGPIWFIVAELFSQGPRPAAIAVAGFSNWTSNFIVGM
CFQYVEQLCGPYVFIIFTVLLVLFIFTYFKVPETKGRTFDEIASGFRQGGASQSDKTPEELFHPLGADS
QV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	54 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
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 after receiving vials.
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_035530



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Locus ID:	20525
UniProt ID:	P17809
RefSeq Size:	2573
Cytogenetics:	4
RefSeq ORF:	1479
Synonyms:	Glut-1; Glut1
Summary:	Facilitative glucose transporter, which is responsible for constitutive or basal glucose uptake (PubMed:17320047). Has a very broad substrate specificity; can transport a wide range of aldoses including both pentoses and hexoses (By similarity). Most important energy carrier of the brain: present at the blood-brain barrier and assures the energy-independent, facilitative transport of glucose into the brain (By similarity).[UniProtKB/Swiss-Prot Function]