

Product datasheet for **TP508045**

Slc2a5 (NM_019741) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse solute carrier family 2 (facilitated glucose transporter), member 5 (Slc2a5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208045 protein sequence Red =Cloning site Green =Tags(s)

MEEKHQEETGELTLVLALATLIAAFGSSFQYGYNVAAVNSPSEFMQQFYNDYYDRNEENIESFTLLLLW
SLTVSMFPFGGFIGSLMVGTLVNLGRKGFALLFNNIFSILPAILMGCSQIAQSFELIISRLLVGCAGI
SSNVVPMYLGELAPKNLRGALGVVPQLFITVGILVAQLFGLRSLLANEDGWPVLLGLTGVPAGLQLLLP
FFPESPRYLLIQKKDEAAAERALQTLRGWKDVHLEMEEIRKEDEAEKAAGFISVWKLFTMQSLRWQLISM
IVLMAGQQLSGVNAIYYYADQIYLSAGVKSDDVQYVYTAGTGAVNVFMTILTFVVELWGRRFLLLVGFST
CLIACLVLTAAALQNTISWMPYISIVCVIVYVIGHALGPSPIPALLITEIFLQSSRPAAYMIGGSVHWL
SNFTVGLIFPFIQMGLGPYSFIIFATICFLTIIYIFMVVVPETKGRTFIEINQIFTMKNKVSDVYPKKEE
LGALPHAILEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	55.4 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:	<u>NP_062715</u>



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Locus ID: 56485

UniProt ID: [Q9WV38](#)

RefSeq Size: 3096

Cytogenetics: 4 E2

RefSeq ORF: 1506

Synonyms: AI526984; Glut5; Slc5a

Summary: Functions as a fructose transporter that has only low activity with other monosaccharides (PubMed:12031501, PubMed:19091748). Can mediate the uptake of deoxyglucose, but with low efficiency (By similarity). Essential for fructose uptake in the small intestine (PubMed:19091748, PubMed:26071406). Plays a role in the regulation of salt uptake and blood pressure in response to dietary fructose (PubMed:19091748). Required for the development of high blood pressure in response to high dietary fructose intake (PubMed:19091748).[UniProtKB/Swiss-Prot Function]