

## Product datasheet for **TP306665**

### SLC39A5 (NM\_173596) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human solute carrier family 39 (metal ion transporter), member 5 (SLC39A5), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC206665 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MGSPVSHLLAGFCVWVVLGWVGGVSNLGPAAEQEQNHLYLAQLFGLYGENGLTAGGLARLLHSLGLGRVQ  
GLRLGQHGPLTGRAASPAADNSTRPQNPELSVDVWAGMPLGPSWGDLEESKAPHLPRGPAPSGDLLH  
RLLLLDHSLADHLNEDCLNGSQLLVNFGLSAAPTLPQFALLCPALLYQIDSRVICGAPAPAPPGDLLS  
ALLQSALAVLLLLSLPSSLRLLRLLGPRLLRPLLGFLGALAVGTLCDGALLHLLPHAQEGRHAGPGGLP  
EKDLGPGLSVLGGFLFLFVLENMLGLLRHRGLRPRCCRRKRRNLETRNLDPENSGSMALQPLQAAPEPGA  
QQQREKNSQHPPALAPPGHQGHSHGHQGGTDITWMVLLGDGLHNLTDGLAIGAAFSDFSSGLSTTLAVF  
CHELPHELGDFAMLLQSGLSFRLLLLSLVSGALGLGGAVLGVLSLGPVPLTPWVFGVTAGVFLYVALV  
DMLPALLRPPEPLTPHVLLQGLGLLLGGGLMLAITLLEERLLPVTEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

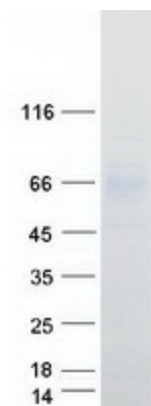
Tag:	C-Myc/DDK
Predicted MW:	56.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_775867</a>
<b>Locus ID:</b>	283375
<b>UniProt ID:</b>	<a href="#">Q6ZMH5</a> , <a href="#">A0A024RB24</a>
<b>RefSeq Size:</b>	2015
<b>Cytogenetics:</b>	12q13.3
<b>RefSeq ORF:</b>	1617
<b>Synonyms:</b>	LZT-Hs7; MYP24; ZIP5
<b>Summary:</b>	The protein encoded by this gene belongs to the ZIP family of zinc transporters that transport zinc into cells from outside, and play a crucial role in controlling intracellular zinc levels. Zinc is an essential cofactor for many enzymes and proteins involved in gene transcription, growth, development and differentiation. Mutations in this gene have been associated with autosomal dominant high myopia (MYP24). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]
<b>Protein Families:</b>	Transmembrane

### Product images:



Coomassie blue staining of purified SLC39A5 protein (Cat# TP306665). The protein was produced from HEK293T cells transfected with SLC39A5 cDNA clone (Cat# [RC206665]) using MegaTran 2.0 (Cat# [TT210002]).