

SLC25A18 Protein, Rat (Cell-Free, His)

Cat. No.:	HY-P702437
Synonyms:	Mitochondrial glutamate carrier 2; Glutamate/H(+) symporter 2; Solute carrier family 25 member 18
Species:	Rat
Source:	E. coli Cell-free
Accession:	Q505J6 (M1-E320)
Gene ID:	681896
Molecular Weight:	35.7 kDa

PROPERTIES

AA Sequence	<pre> M I A C R M S S Q D L S I T A K L I N G G I A G L V G V T C V F P I D L A K T R L Q N Q Q G K D V Y K G M T D C L V K T A R A E G F L G M Y R G A A V N L T L V T P E K A I K L A A N D F L R Q L L M Q D G T Q R N L K M E M L A G C G A G I C Q V V I T C P M E M L K I Q L Q D A G R L A V C Q Q A S A S A T P T S R P Y S T G S T S T H R R P S A T L I A W E L L R T Q G L S G L Y R G L G A T L L R D I P F S I I Y F P L F A N L N Q L G V S E L T G K A S F T H S F V A G C A A G S V S A V A V T P L D V L K T R I Q T L K K G L G E D T Y R G V T D C A R K L W T Q E G A A A F M K G A G C R A L V I A P L F G I A Q G V Y F I G I G E R I L K C F E </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	SLC25A18 Protein is responsible for facilitating the transportation of glutamate molecules from the cytosol into the mitochondrial matrix, utilizing a symport system that involves the simultaneous import of a proton.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA