SLC30A3 Protein, Human (Sf9, His, MBP, FLAG)

Cat. No.:	HY-P702015
Synonyms:	SLC30A3; Zinc transporter 3; ZnT-3; Solute carrier family 30 member 3
Species:	Human
Source:	Sf9 insect cells
Accession:	Q99726 (E2-A388)
Gene ID:	7781
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The SLC30A3 protein is identified as a probable proton-coupled zinc ion antiporter, playing a pivotal role in the cellular zinc ion homeostasis within the brain. Functioning as a mediator, it facilitates the import of zinc from the cytoplasm into synaptic vesicles, contributing to the regulation of intracellular zinc levels. This proton-coupled zinc ion antiporter activity suggests its involvement in maintaining the delicate balance of zinc ions, crucial for various cellular processes in neuronal environments. Further exploration of the precise mechanisms and regulatory functions of SLC30A3 in synaptic zinc transport will provide valuable insights into its role in neurophysiology and cellular homeostasis within the brain.

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