

SLC30A4 Protein, Human (Sf9, His, Strep, FLAG)

Cat. No.:	HY-P702043
Synonyms:	SLC30A4; Zinc transporter 4; ZnT-4; Solute carrier family 30 member 4
Species:	Human
Source:	Sf9 insect cells
Accession:	O14863 (A2-P429)
Gene ID:	7782
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	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 SLC30A4 protein is identified as a probable proton-coupled zinc ion antiporter, with its primary function involving the mediation of zinc import from the cytoplasm, potentially into the endocytic compartment. This proton-coupled zinc ion antiporter activity suggests a role in regulating intracellular zinc levels and influencing zinc trafficking within the endocytic pathways. Additionally, SLC30A4 is implicated in controlling zinc deposition in milk, emphasizing its significance in physiological processes such as lactation. Further elucidation of the specific mechanisms and regulatory functions of SLC30A4 in zinc transport will provide valuable insights into its role in cellular homeostasis and specialized functions, particularly in the context of zinc dynamics in mammary tissue during lactation.
------------	--

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