

SLC30A8 Protein, Human (Sf9, His, MBP, FLAG)

Cat. No.:	HY-P702032
Synonyms:	SLC30A8; Zinc transporter 8; ZnT-8; Solute carrier family 30 member 8
Species:	Human
Source:	Sf9 insect cells
Accession:	Q8IWU4 (E2-D369)
Gene ID:	169026
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 SLC30A8 protein serves as a proton-coupled zinc ion antiporter, orchestrating the crucial entry of zinc into the lumen of pancreatic beta cell secretory granules. This pivotal function plays a significant role in the regulation of insulin secretion. By actively participating in the transport of zinc ions within the secretory granules, SLC30A8 contributes to the intricate processes governing insulin release from pancreatic beta cells. The protein's unique role in mediating the proton-coupled transport of zinc underscores its importance in maintaining the delicate balance required for proper insulin regulation in response to physiological stimuli.
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Caution: Product has not been fully validated for medical applications. For research use only.

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