

SLC52A3 Protein, Human (Sf9, His, MBP, FLAG)

Cat. No.:	HY-P702041
Synonyms:	SLC52A3; Solute carrier family 52; riboflavin transporter; member 3; Riboflavin transporter 2; hRFT2
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9NQ40 (A2-A469)
Gene ID:	113278
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 SLC52A3 Protein serves as a crucial plasma membrane transporter responsible for mediating the uptake of the water-soluble vitamin B2/riboflavin into cells, playing an integral role in the biochemical oxidation-reduction reactions essential for carbohydrate, lipid, and amino acid metabolism. Notably, humans are incapable of synthesizing vitamin B2/riboflavin endogenously, necessitating its acquisition through intestinal absorption. The significance of SLC52A3 in this process is underscored by its documented role in vitamin B2/riboflavin transport. The protein's pivotal function in facilitating the cellular uptake of this essential nutrient highlights its importance in supporting fundamental metabolic pathways crucial for cellular function and overall human health.
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Caution: Product has not been fully validated for medical applications. For research use only.

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