

SLC51B Protein, Human (Sf9, His, MBP, FLAG)

Cat. No.:	HY-P702039
Synonyms:	SLC51B; Organic solute transporter subunit beta; OST-beta; Solute carrier family 51 subunit beta
Species:	Human
Source:	Sf9 insect cells
Accession:	Q86UW2 (G2-S128)
Gene ID:	123264
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	<p>SLC51B emerges as an indispensable element within the Ost-alpha/Ost-beta complex, a dynamic heterodimer pivotal in facilitating bile acid export from enterocytes into the portal blood. This transporter duo, comprising Ost-alpha and Ost-beta, demonstrates remarkable efficacy in transporting various bile acids, with taurocholate being a prominent substrate. SLC51B's involvement extends beyond bile acid transport; it plays a crucial role in modulating the glycosylation, membrane trafficking, and stability of its partner SLC51A. The Ost-alpha/Ost-beta complex doesn't limit its repertoire to bile acids alone; it showcases versatility by efficiently transporting taurine-conjugated bile acids over their glycine-conjugated counterparts. Impressively, SLC51B exhibits proficiency in transporting steroids, including estrone 3-sulfate and dehydroepiandrosterone 3-sulfate, thereby contributing to the enterohepatic circulation of sterols. Furthermore, its capacity to transport eicosanoids, such as prostaglandin E2, adds another layer to its multifaceted role in cellular transport processes.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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