

SLC35A2 Protein, Human (Sf9, His, MBP, FLAG)

Cat. No.:	HY-P702034
Synonyms:	SLC35A2; UDP-galactose translocator; Solute carrier family 35 member A2; UDP-galactose transporter; UDP-Gal-Tr; UGT
Species:	Human
Source:	Sf9 insect cells
Accession:	P78381 (A2-S396)
Gene ID:	7355
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	SLC35A2, a pivotal transmembrane protein, operates as an antiporter facilitating the transportation of uridine diphosphate galactose (UDP-galactose) from the cytosol into the Golgi apparatus. This dynamic process involves the exchange of UDP-galactose for UMP and demonstrates versatility by also accommodating the exchange of UDP-galactose for AMP and CMP. Furthermore, SLC35A2 exhibits the ability to transport other nucleotide sugars, including UDP-N-acetylgalactosamine (UDP-GalNAc). Its role as a provider of UDP-galactose to galactosyltransferases within the Golgi apparatus is particularly crucial for the synthesis of globotriaosylceramide/globoside (Gb3Cer) from lactosylceramide, underscoring its significance in glycosphingolipid biosynthesis.
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Caution: Product has not been fully validated for medical applications. For research use only.

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