

## SLC35A1 Protein, Human (Sf9, His, MBP, FLAG)

Cat. No.:	HY-P702008
Synonyms:	SLC35A1; CMP-sialic acid transporter; CMP-SA-Tr; CMP-Sia-Tr; Solute carrier family 35 member A1
Species:	Human
Source:	Sf9 insect cells
Accession:	P78382 (A2-V337)
Gene ID:	10559
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	SLC35A1, a pivotal protein in intracellular transport processes, acts as a transporter facilitating the translocation of CMP-sialic acid from the cytosol into the Golgi apparatus. Operating as an antiporter, SLC35A1 engages in the exchange of CMP-sialic acid for CMP, showcasing its dynamic role in maintaining cellular homeostasis. While it binds both CMP-sialic acid and free CMP, SLC35A1 exhibits a higher affinity for free CMP (By similarity). Remarkably, this versatile transporter can also exchange CMP-sialic acid for AMP and UMP, broadening its functional repertoire. Additionally, SLC35A1 demonstrates its involvement in cellular processes by mediating the transport of CDP-ribitol (By similarity).
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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