



Certificate of Analysis

ST6GAL1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P76663
Batch No.:	430380
Species:	Rat
Source:	HEK293
Tag:	N-6*His
Accession:	P13721-1/NP_001106815.1 (K27-C403)
Gene ID:	25197
Molecular Weight:	Approximately 47-57 kDa due to the glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	96.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to transfer Neu5Ac from CMP-Neu5Ac to N-Acetylglucosamine that incubate at 37°C for 20min. The specific activity is 288.256 pmol/min/μg.	288.256 pmol/min/μg
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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