



Certificate of Analysis

SLC31A1 Protein, Human (His-SUMO)

Cat. No.:	HY-P72011
Batch No.:	244045
Species:	Human
Source:	<i>E. coli</i>
Tag:	N-SUMO;N-6*His
Accession:	O15431 (M1-H190)
Gene ID:	1317
Molecular Weight:	Approximately 40 kDa & 80 kDa. It is speculated that the protein forms a dimeric structure 80 kDa.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥90.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized SLC31A1 at 0.5 μg/well can bind human LGALS8 at 7.6293-1000000 ng/mL, the EC ₅₀ of human LGALS8 is 14.063-30.957 μg/mL.	14.063-30.957 μg/mL
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.	
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. 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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