

Biotinylated Human ASGR1 Protein

Cat. No. ASG-HM4R1B

Description

Source	Recombinant Biotinylated Human ASGR1 Protein is expressed from HEK293 with His tag and Avi tag at the N-terminus. It contains Gln62-Leu291.
Accession	P07306-1
Molecular Weight	The protein has a predicted MW of 29.30 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in PBS, 200mM L-Arginine (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

ASGR1 is a liver-specific surface marker that is exclusively expressed in liver and mediates internalization and lysosomal degradation of blood asialoglycoproteins.

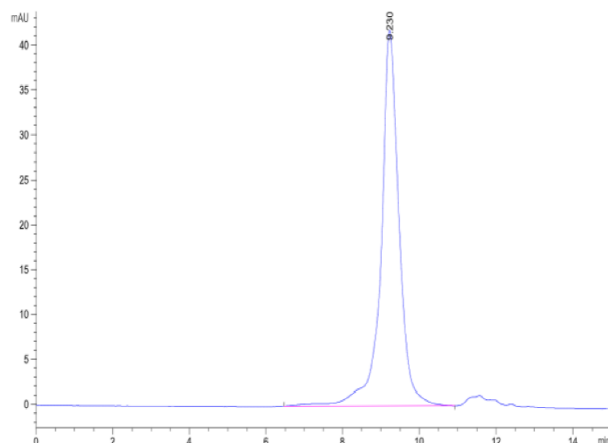
Assay Data

Tris-Bis PAGE



Biotinylated Human ASGR1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

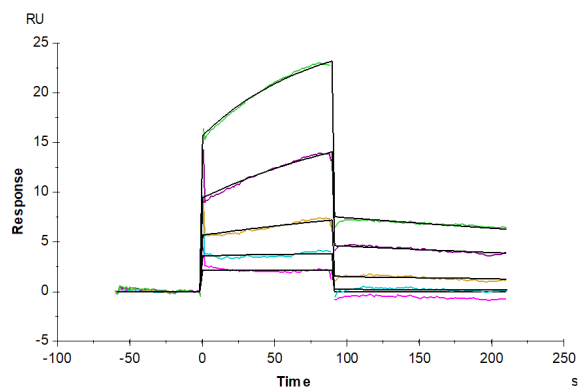
SEC-HPLC



The purity of Biotinylated Human ASGR1 is greater than 95% as determined by SEC-HPLC.

Assay Data

SPR Data



Biotinylated Human ASGR1, His Tag captured on CM5 Chip via Protein A can bind SARS-COV-2 Spike S1, hFc Tag with an affinity constant of 0.132 μ M as determined in SPR assay (Biacore T200).