Human Neogenin Protein

Cat. No. NEO-HM201

Description

Source	Recombinant Human Neogenin Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Ala34-Leu1105.
Accession	Q92859-1
Molecular Weight	The protein has a predicted MW of 144.37 kDa. Due to glycosylation, the protein migrates to 150-180 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

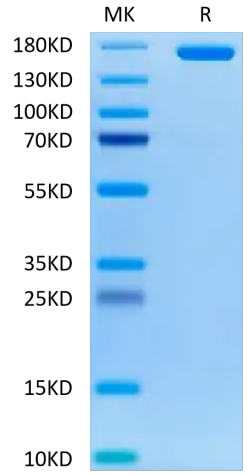
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Neogenin is a multifunctional transmembrane receptor belonging to the immunoglobulin superfamily. It displays identical secondary structure to deleted in colorectal cancer (DCC), a netrin receptor that is involved in axon guidance and cell survival.

Assay Data

Tris-Bis PAGE



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

SEC-HPLC

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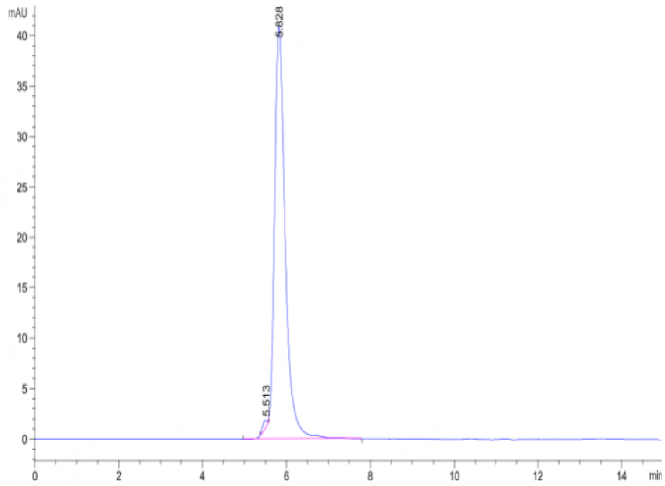
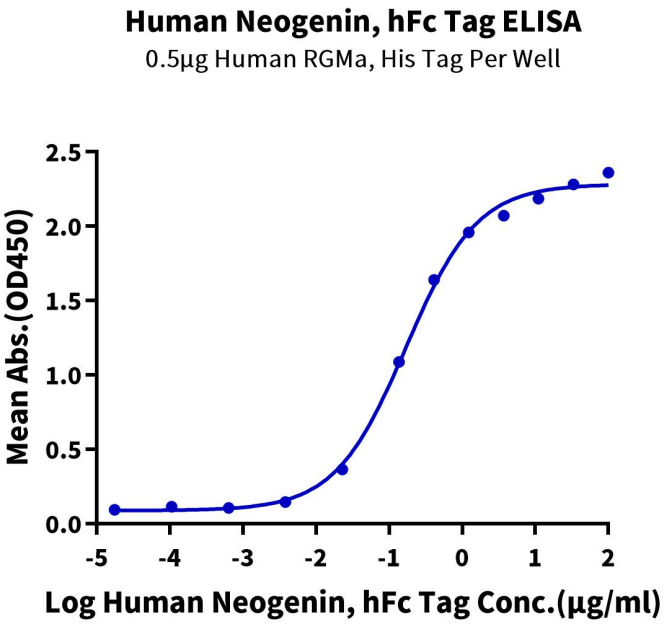
Assay Data



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

ELISA Data



Immobilized Human RGMa, His Tag at 5μg/ml (100μl/Well) on the plate. Dose response curve for Human Neogenin, hFc Tag with the EC50 of 0.17μg/ml determined by ELISA.