Human Her3/ErbB3 Protein

Cat. No. HER-HM403

Description

Source	Recombinant Human Her3/ErbB3 is expressed from HEK293 with His tag and Avi tag at the C-Terminus
	It contains Ser20-Thr643.
Accession	P21860-1
Molecular Weight	The protein has a predicted MW of 71.6 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

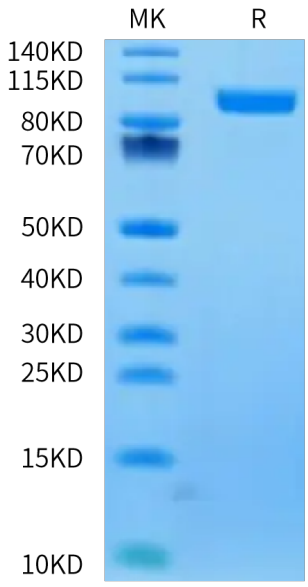
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Her3, also called ErbB3, is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. Her3 is expressed in keratinocytes, melanocytes, skeletal muscle cells, embryonic myoblasts and Schwann cells. Monomeric Her3 serves as a low affinity receptor for the heregulins (HRG).

Assay Data

Bis-Tris PAGE



Human Her3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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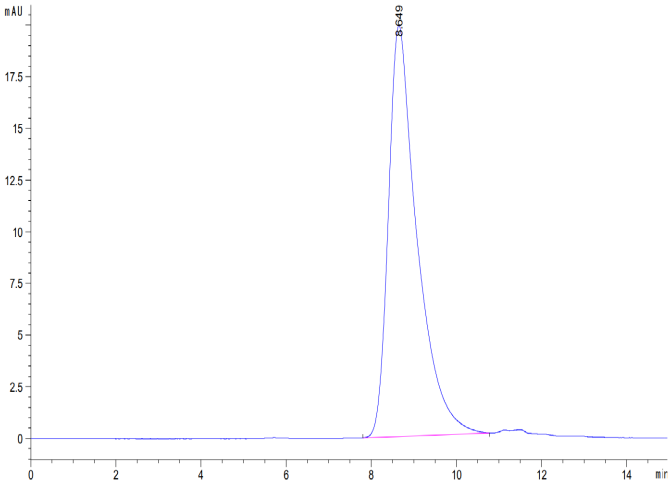
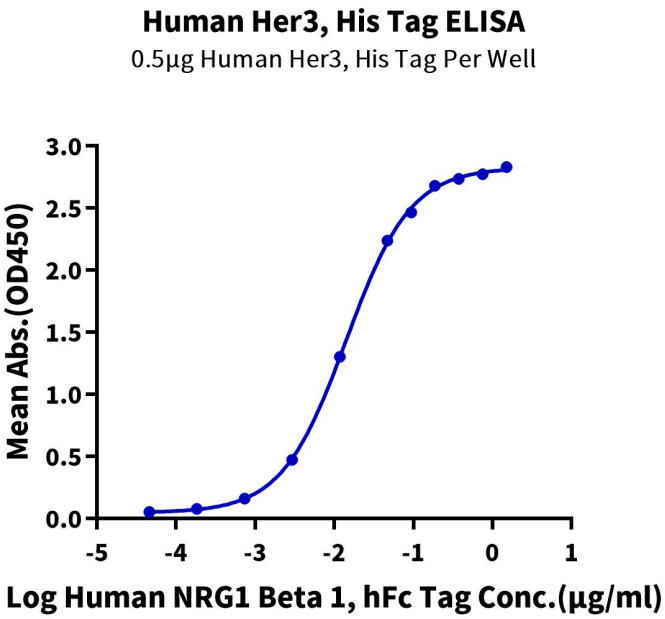
Assay Data



The purity of Human Her3 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human Her3, His Tag at 5 μg/ml (100 μl/well) on the plate. Dose response curve for Human NRG1 Beta 1, hFc Tag with the EC50 of 14.2ng/ml determined by ELISA (QC Test).

ELISA Data

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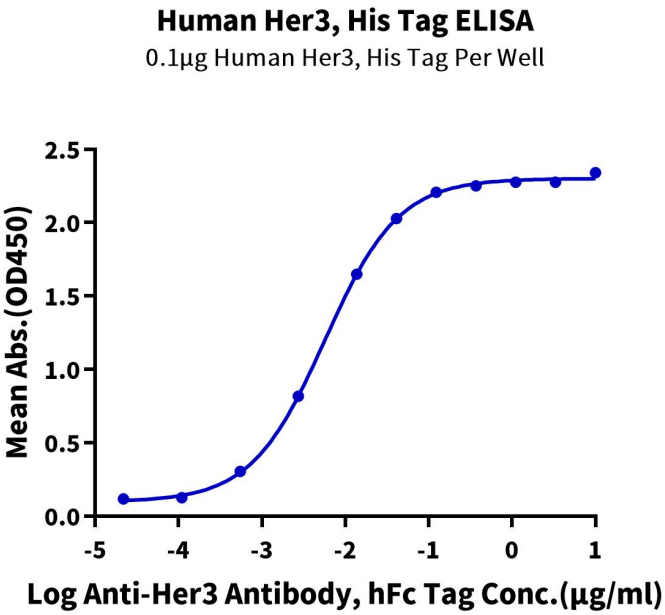

Immobilized Human Her3, His Tag at 1 μg/ml (100 μl/Well) on the plate. Dose response curve for Anti-Her3 Antibody, hFc Tag with the EC50 of 5.7 ng/ml determined by ELISA.