

# Human Her3/ErbB3 Protein, Ultra Low Endotoxin



Cat. No. HER-HM203-UL

## Description

Source	Recombinant Human Her3/ErbB3 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Ser20-Thr643.
Accession	P21860
Molecular Weight	The protein has a predicted MW of 95.4 kDa. Due to glycosylation, the protein migrates to 110-120 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 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 0.22µm 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

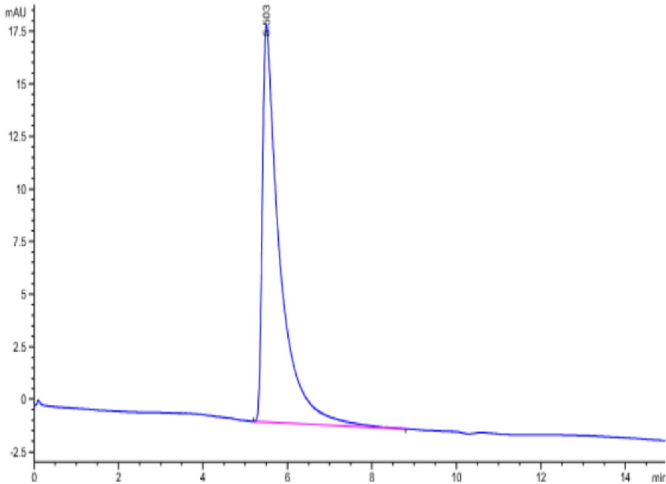
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data

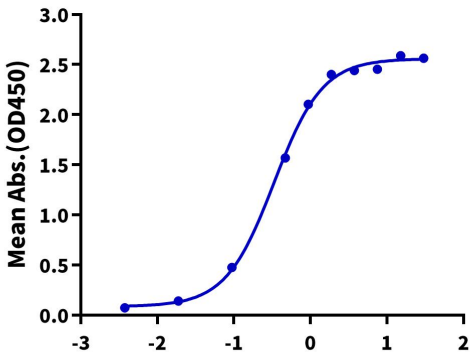


The purity of Human Her3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human Her3, hFc Tag ELISA

0.5µg Human Her3, hFc Tag Per Well



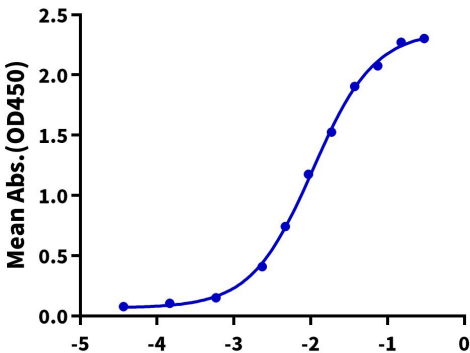
Log Biotinylated Human NRG1 Beta 1, hFc Tag Conc.(µg/ml)

Immobilized Human Her3, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human NRG1 Beta 1, hFc Tag with the EC50 of 0.33µg/ml determined by ELISA (QC Test).

ELISA Data

Human Her3, hFc Tag ELISA

0.1µg Human Her3, hFc Tag Per Well



Log Biotinylated Anti-HER3 Antibody, hFc Tag Conc.(µg/ml)

Immobilized Human Her3, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-Her3 Antibody, hFc Tag with the EC50 of 10.7ng/ml determined by ELISA.