

Datasheet for ABIN7274797

ERBB3 Protein (AA 20-643) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ERBB3
Protein Characteristics:	AA 20-643
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERBB3 protein is labelled with Fc Tag.

Product Details

Purpose:	Human Her3/ErbB3 Protein
Sequence:	Ser20-Thr643
Characteristics:	Recombinant Human Her3/ErbB3 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser20-Thr643.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Her3, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-Her3 Antibody, hFc Tag with the EC50 of 13.5ng/ml determined by ELISA. See testing image for detail.

Target Details

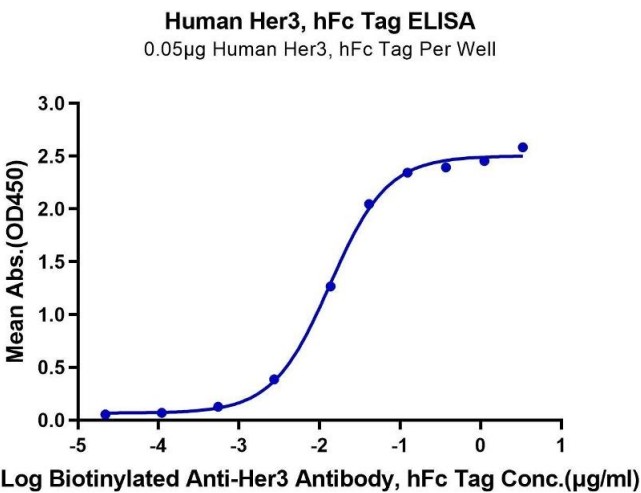
Target:	ERBB3
Alternative Name:	Her3 (ERBB3 Products)
Background:	Her3, also called ErbB3, is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. Her3 is expressed in keratinocytes, melanocytes, skeletal muscle cells, embryonic myoblasts and Schwann cells. Monomeric Her3 serves as a low affinity receptor for the heregulins (HRG).
Molecular Weight:	95.4 kDa. Due to glycosylation, the protein migrates to 110-120 kDa based on Tris-Bis PAGE result.
UniProt:	P21860
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Restrictions:	For Research Use only
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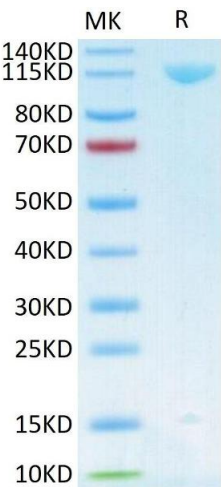
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months 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.
Expiry Date:	12 months



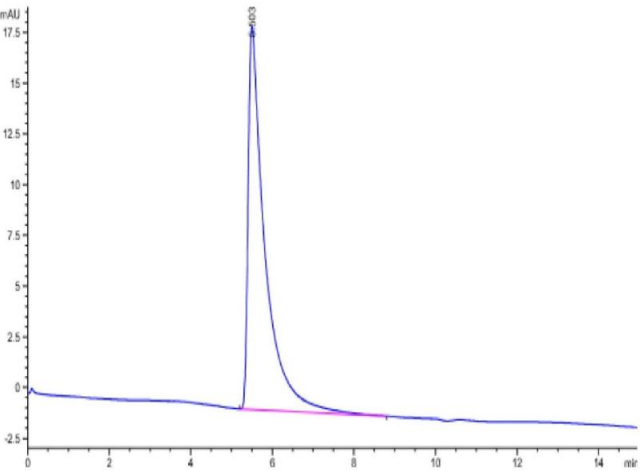
ELISA

Image 1. Immobilized Human Her3, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-Her3 Antibody, hFc Tag with the EC50 of 13.5 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human Her3 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human Her3 is greater than 95 % as determined by SEC-HPLC.