

Datasheet for ABIN7274802

ERBB3 Protein (His-Avi Tag,Biotin)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ERBB3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERBB3 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	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 Biotinylated Human Her3 at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-Her3 Antibody, hFc Tag with the EC50 17.6ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	ERBB3
Alternative Name:	Her3 (ERBB3 Products)
Background:	ErbB3, ErbB-3, HER3, HER3c-erbB-3, LCCS2, MDA-BF-1, MGC88033, p180-ErbB3, p45-sErbB3, p85-sErbB3, ERBB3,Her3, also called ErbB3, is a type I membrane glycoprotein that is a member

Target Details

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). Mutation leads to a deletion of exons 2-7 of the EGFR gene and renders the mutant receptor incapable of binding any known ligand.

Molecular Weight: 71.6 kDa. Due to glycosylation, the protein migrates to 90-100 kDa based on Tris-Bis PAGE result.

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). 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.

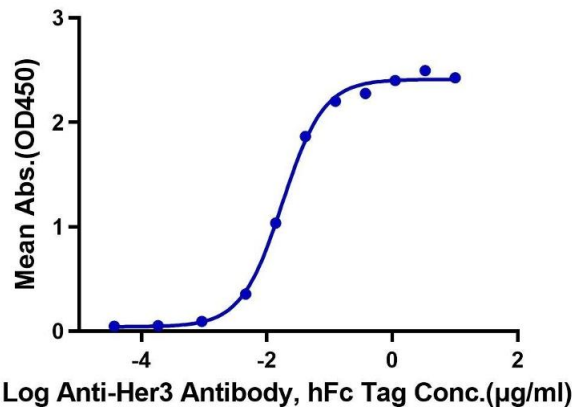
Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

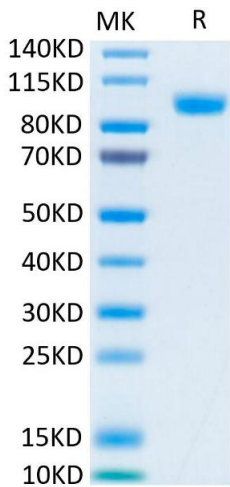
Biotinylated Human Her3, His Tag ELISA

0.05µg Biotinylated Human Her3, His Tag Per Well



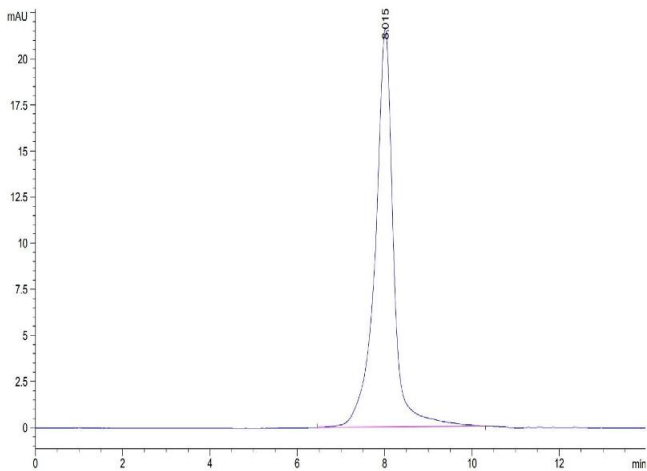
ELISA

Image 1. Immobilized Biotinylated Human Her3 at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-Her3 Antibody, hFc Tag with the EC50 17.6 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Biotinylated Human Her3/ErbB3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Biotinylated Human Her3/ErbB3 is greater than 95 % as determined by SEC-HPLC.