

Datasheet for ABIN7274795

**ERBB3 Protein (AA 20-641) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	ERBB3
Protein Characteristics:	AA 20-641
Origin:	Cynomolgus, Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERBB3 protein is labelled with His tag.

## Product Details

Purpose:	Cynomolgus/Rhesus macaque Her3 Protein
Sequence:	Ser20-His641
Characteristics:	Recombinant Cynomolgus/Rhesus macaque Her3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser20-His641.
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 Cynomolgus/Rhesus macaque Her3, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-Her3 Antibody, hFc Tag with the EC50 of 18.4ng/ml determined by ELISA. See testing image for detail.

## Target Details

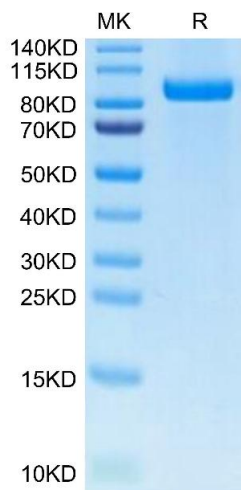
Target:	ERBB3
Alternative Name:	Her3 ( <a href="#">ERBB3 Products</a> )
Background:	Her3, also called ErbB3, is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. Her3 is expressed in keratinocytes, melanocytes, skeletal muscle cells, embryonic myoblasts and Schwann cells. Monomeric Her3 serves as a low affinity receptor for the heregulins (HRG).
Molecular Weight:	69.54 kDa. Due to glycosylation, the protein migrates to 85-105 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">XP_005571238</a>
UniProt:	<a href="#">G7N7B1</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a>

## Application Details

Restrictions:	For Research Use only
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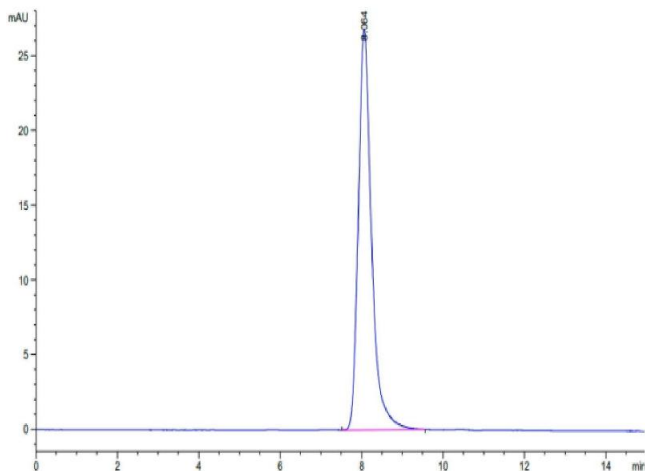
## Handling

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



SDS-PAGE

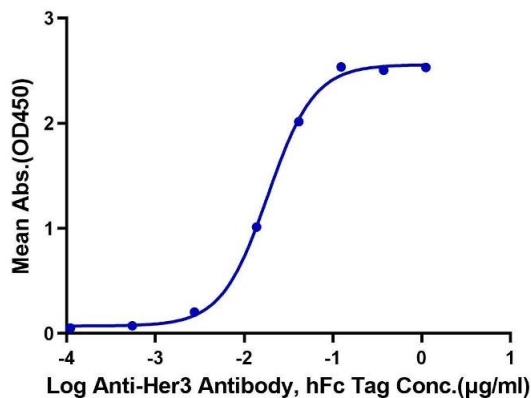
**Image 1.** Cynomolgus/Rhesus macaque Her3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Cynomolgus/Rhesus macaque Her3 is greater than 95 % as determined by SEC-HPLC.

**Cynomolgus/Rhesus macaque Her3, His Tag ELISA**  
0.2µg Cynomolgus/Rhesus macaque Her3, His Tag Per Well



ELISA

**Image 3.** Immobilized Cynomolgus/Rhesus macaque Her3, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-Her3 Antibody, hFc Tag with the EC50 of 18.4 ng/mL determined by ELISA.