

Datasheet for ABIN7274805

**ERBB4 Protein (AA 26-651) (His-Avi Tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	ERBB4
Protein Characteristics:	AA 26-651
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERBB4 protein is labelled with His-Avi Tag.

## Product Details

Purpose:	Human Her4/ErbB4 Protein
Sequence:	Gln26-Pro651
Characteristics:	Recombinant Human Her4/ErbB4 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln26-Pro651.
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 Her4 at 1µg/ml (100µl/well) on the plate. Dose response curve for Human NRG1 Beta 1, hFc Tag with the EC50 of 34.7ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	ERBB4
Alternative Name:	Her4 ( <a href="#">ERBB4 Products</a> )
Background:	Her4, a member of the EGF receptor family, plays a variety of roles in physiological and pathological states. Genetic studies have indicated a link between Her4 and type 2 diabetes and obesity. Her4 may play an important role in glucose homeostasis and lipogenesis. Her4 deficiency-related obesity and adipose tissue inflammation may contribute to the development of MetS.
Molecular Weight:	72.7 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Tris-Bis PAGE result.
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>

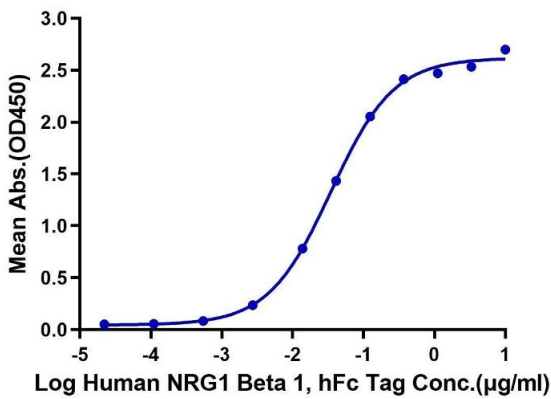
## Application Details

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

**Human Her4, His Tag ELISA**  
0.1µg Human Her4, His Tag Per Well

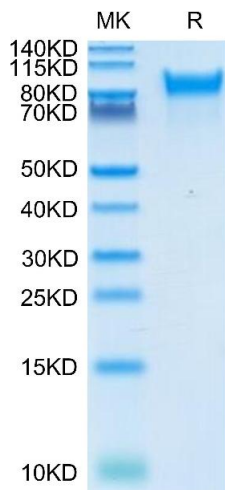
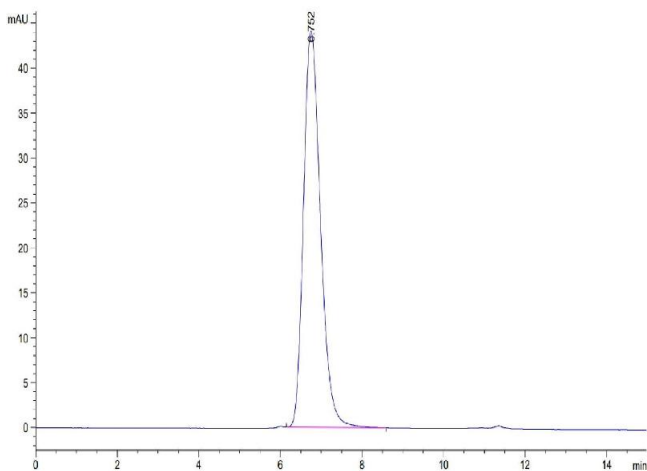


**ELISA**

**Image 1.** Immobilized Human Her4 at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human NRG1 Beta 1, hFc Tag with the EC<sub>50</sub> of 34.7 ng/mL determined by ELISA.

**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Human Her4 is greater than 95 % as determined by SEC-HPLC.



**SDS-PAGE**

**Image 3.** Human Her4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .