

Datasheet for ABIN7274798

**ERBB4 Protein (AA 26-651) (Fc Tag)****2** 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 Fc Tag.

## Product Details

Purpose:	Human Her4/ErbB4 Protein
Sequence:	Gln26-Pro651
Characteristics:	Recombinant Human Her4/ErbB4 Protein is expressed from HEK293 with hFc 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.

## Target Details

Target:	ERBB4
Alternative Name:	Her4 ( <a href="#">ERBB4 Products</a> )

## Target Details

Background:	ErbB4, a member of the EGF receptor family, plays a variety of roles in physiological and pathological states. Genetic studies have indicated a link between ErbB4 and type 2 diabetes and obesity. ErbB4 may play an important role in glucose homeostasis and lipogenesis. ErbB4 deficiency-related obesity and adipose tissue inflammation may contribute to the development of MetS.
Molecular Weight:	96.6 kDa. Due to glycosylation, the protein migrates to 100-120 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

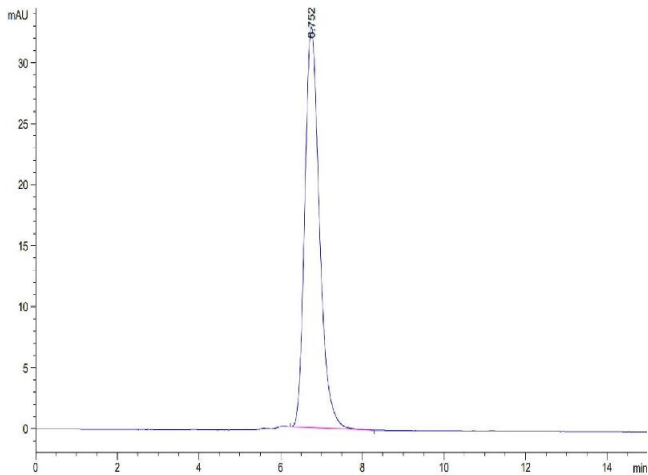
Restrictions:	For Research Use only
---------------	-----------------------

## 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

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Human Her4/ErbB4 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 2.** Human Her4/ErbB4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

