

## Her3/ErbB3

Catalog # PVGS1803

## **Product Information**

Primary Accession P21860
Species Human

**Sequence** Ser20-Thr643

**Purity** > 95% as determined by Bis-Tris PAGE

> 95% as determined by HPLC

**Endotoxin Level** Less than 1EU per g by the LAL method.

Biological Activity Immobilized Her3/ErbB3 hFc Chimera, Human (Cat.No.: Z03906) at 5 g/ml

(100 I/Well) on the plate can bind Biotinylated Human NRG1 Beta 1, hFc Tag

Expression System HEK293

Theoretical Molecular Weight 95.4 kDa

**Formulation** Lyophilized from a 0.22 Im filtered solution in PBS, pH 7.4.

**Reconstitution** It is recommended that this vial be briefly centrifuged prior to opening to

bring the contents to the bottom. Reconstitute the lyophilized powder in

ddH<sub>2</sub>O more than 100 ☐g/ml.

**Storage & Stability** Upon receiving, the product remains stable up to 6 months at -20 °C or below.

Upon reconstitution, the product should be stable for 3 months at -80 °C.

Avoid repeated freeze-thaw cycles.

## **Additional Information**

**Gene ID** 2065

**Other Names** Receptor tyrosine-protein kinase erbB-3, 2.7.10.1, Proto-oncogene-like protein

c-ErbB-3, Tyrosine kinase-type cell surface receptor HER3, ERBB3, HER3

**Target 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).

## **Protein Information**

Name ERBB3

Synonyms HER3

**Function** Tyrosine-protein kinase that plays an essential role as cell surface receptor

for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it;

ligand-binding increases phosphorylation on tyrosine residues and promotes

its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed: 20682778). May also be activated by CSPG5 (PubMed: 15358134). Involved in the regulation of myeloid cell differentiation (PubMed: 27416908).

**Cellular Location** [Isoform 1]: Cell membrane; Single-pass type I membrane protein

**Tissue Location** Epithelial tissues and brain.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.