

## HER2/CD340 Protein, Cynomolgus (HEK293, His)

<b>Cat. No.:</b>	HY-P75805
<b>Synonyms:</b>	Receptor tyrosine-protein kinase erbB-2; p185neu; CD340; Erbb2; Neu
<b>Species:</b>	Cynomolgus
<b>Source:</b>	HEK293
<b>Accession:</b>	XP_005584091.2 (T23-T652)
<b>Gene ID:</b>	/
<b>Molecular Weight:</b>	Approximately 80-100 kDa

### PROPERTIES

#### AA Sequence

T Q V C T G T D M K	L R L P A S P E T H	L D M L R H L Y Q G	C Q V V Q G N L E L
T Y L P T N A S L S	F L Q D I Q E V Q G	Y V L I A H N Q V R	Q V P L Q R L R I V
R G T Q L F E D N Y	A L A V L D N G N P	L N N T T P V T G A	S P G G L R E L Q L
R S L T E I L K G G	V L I Q R N P Q L C	Y Q D T I L W K D I	F H K N N Q L A L T
L I D T N R S R A C	H P C S P V C K G S	R C W G E S S E D C	Q S L T R T V C A G
G C A R C K G P L P	T D C C H E Q C A A	G C T G P K H S D C	L A C L H F N H S G
I C E L H C P A L V	T Y N T D T F E S M	P N P E G R Y T F G	A S C V T A C P Y N
Y L S T D V G S C T	L V C P L H N Q E V	T A E D G T Q R C E	K C S K P C A R V C
Y G L G M E H L R E	V R A V T S A N I Q	E F A G C K K I F G	S L A F L P E S F D
G D P A S N T A P L	Q P E Q L R V F E T	L E E I T G Y L Y I	S A W P D S L P D L
S V L Q N L Q V I R	G R I L H N G A Y S	L T L Q G L G I S W	L G L R S L R E L G
S G L A L I H H N T	R L C F V H T V P W	D Q L F R N P H Q A	L L H T A N R P E D
E C V G E G L A C H	Q L C A R G H C W G	P G P T Q C V N C S	Q F L R G Q E C V E
E C R V L Q G L P R	E Y V N A R H C L P	C H P E C Q P Q N G	S V T C F G P E A D
Q C V A C A H Y K D	P P F C V A R C P S	G V K P D L S Y M P	I W K F P D E E G T
C Q S C P I N C T H	S C V D L D D K G C	P A E Q R A S P L T	

**Biological Activity** Immobilized Cynomolgus HER2 at 2 µg/mL (100 µL/well) can bind Anti-ErbB2 antibody, The ED<sub>50</sub> for this effect is 3.088 ng/mL.

**Appearance** Lyophilized powder

**Formulation** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Endotoxin Level** <1 EU/µg, determined by LAL method.

**Reconstitution** It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH<sub>2</sub>O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

**Storage & Stability** Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

**Shipping**

Room temperature in continental US; may vary elsewhere.

**DESCRIPTION****Background**

Erb-b2 receptor tyrosine kinase 2 enables ATP binding and transmembrane receptor protein tyrosine kinase activity. Erb-b2 receptor tyrosine kinase 2 is involved in multicellular organism development, neuron differentiation, positive regulation of MAPK cascade, positive regulation of cell population proliferation, positive regulation of kinase activity, protein phosphorylation and transmembrane receptor protein tyrosine kinase signaling pathway. Erb-b2 receptor tyrosine kinase 2 is located in basal plasma membrane<sup>[1][2][3]</sup>.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA