

HER3 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70857
Synonyms:	Proto-oncogene-like protein c-ErbB-3; Tyrosine kinase-type cell surface receptor HER3; ERBB3; HER3
Species:	Mouse
Source:	HEK293
Accession:	Q61526 (S20-H641)
Gene ID:	13867
Molecular Weight:	90-120 kDa

PROPERTIES

AA Sequence

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

Biological Activity The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

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 ddH₂O. 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**

HER3 protein is a crucial tyrosine-protein kinase functioning as a cell surface receptor for neuregulins. Upon binding neuregulin-1 (NRG1), it undergoes activation, leading to increased phosphorylation on tyrosine residues and subsequent association with the p85 subunit of phosphatidylinositol 3-kinase. Additionally, HER3 protein can be activated by CSPG5. Notably, it plays a significant role in regulating myeloid cell differentiation.

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

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