

HER3 Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P74892
Synonyms:	Receptor tyrosine-protein kinase erbB-3; ERBB3; HER3
Species:	Rat
Source:	HEK293
Accession:	G3V6N1 (S20-H641)
Gene ID:	29496
Molecular Weight:	Approximately 115 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year from date of receipt. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	HER3 is a tyrosine protein-kinase that is a key cell surface receptor for neuregulin. Under the activation of neuregulin 1 (NRG1), ligand binding enhances the phosphorylation of tyrosine residues and facilitates their interaction with PI3K/p85. HER3 is involved in the regulation of myeloid differentiation and plays a key role in the cellular process of normal development and function. ErbB2 and ErbB3 can form dimers and activate signaling pathways including MAPK, PI3K/Akt and PLCγ to promote tumor development ^{[1][2][3][4]} .
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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 F, Monmouth Junction, NJ 08852, USA