

FITC-labeled HER3 Protein, Human (HEK293, His)

Cat. No.:	HY-P701281
Synonyms:	ERBB3; HER3; LCCS2; MDA-BF-1; MGC88033; c-erbB3; erbB3-S; p180-ErbB3; p45-sErbB3; p85-sErbB3
Species:	Human
Source:	HEK293
Accession:	P21860 (S20-T643)
Gene ID:	2065
Molecular Weight:	72-75 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 μ m filtered solution of PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
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, a tyrosine-protein kinase, serves as a critical cell surface receptor for neuregulins. Activated by neuregulin-1 (NRG1), ligand binding enhances phosphorylation on tyrosine residues and facilitates its interaction with the p85 subunit of phosphatidylinositol 3-kinase. Additionally, there is evidence suggesting activation by CSPG5. HER3 is intricately involved in the regulation of myeloid cell differentiation, highlighting its pivotal role in cellular processes crucial for normal development and function.
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Caution: Product has not been fully validated for medical applications. For research use only.

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