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Her3/ErbB3

Catalog # PVGS1779

Product Information

Primary Accession	Q61526
Species	Mouse
Sequence	Ser20-His641
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, His, Mouse (Cat.No.: Z03910) at 2 □g/ml (100 □l/Well) on the plate can bind Human NRG1 Beta 1, hFc Tag
Expression System	HEK293
Theoretical Molecular Weight	69.59 kDa
Formulation	Lyophilized from a 0.22 □m 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_2O 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. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Additional Information

Gene ID	13867
Other Names	Receptor tyrosine-protein kinase erbB-3, 2.7.10.1, Glial growth factor receptor, Proto-oncogene-like protein c-ErbB-3, Erbb3
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
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. May also be activated by CSPG5. Involved in the regulation of myeloid cell differentiation.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	In the muscle, expression localizes to the synaptic sites of muscle fibers