

Recombinant human ErbB3 / Her3 protein, C-His-Avi (HEK293), Biotin conjugated

Catalog Number: bs-47108P-Bio

Concentration: >0.5 mg/ml

AA Seq: 20-643/1342

Predicted MW: 71.6

Detected MW: Due to glycosylation, the protein migrates to 90-100 kDa based on Tris-Bis PAGE result.

Tags: C-His-Avi

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

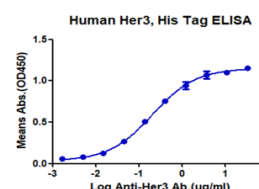
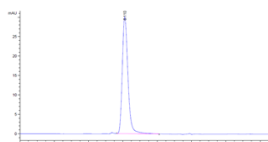
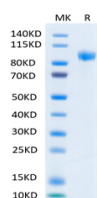
Purification: AC

Storage: Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: The ErbB3 gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. ErbB3 is a membrane-bound protein which has a neuregulin binding domain but not an active kinase domain. It can therefore bind this ligand but cannot convey a signal into the cell via protein phosphorylation. However it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers including prostate, bladder and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the membrane-bound form. Additional splice variants have also been reported but they have not been thoroughly characterized.

VALIDATION IMAGES



Recombinant Her3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

The purity of Her3 is greater than 95% as determined by SEC-HPLC.

Immobilized Human Her3 at 1ug/ml(100ul/Well).
Dose response curve for Anti-Her3 Ab.,with the EC50 of 0.2ug/ml determined by ELISA.