

Biotinylated Recombinant Human Her3/ErbB3 Protein ,His-Avi Tag

产品信息

产品名称	产品编号	规格
Biotinylated Recombinant Human Her3/ErbB3 Protein ,His-Avi Tag	93593ES25	25 µg
	93593ES60	100 µg
	93593ES76	500 µg
	93593ES80	1 mg

产品描述

ErbB3, also called Her3 (human epidermal growth factor receptor 3), is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. ErbB family members serve as receptors for the epidermal growth factor (EGF) family of growth factors. Among ErbB family members, ErbB3 is unique in that it contains a defective kinase domain. ErbB3 is expressed in keratinocytes, melanocytes, skeletal muscle cells, embryonic myoblasts and Schwann cells. Monomeric ErbB3 serves as a low affinity receptor for the heregulins (HRG). ErbB3 heterodimerizes with ErbB2 to form a high affinity receptor complex. In contrast, ErbB3 homodimerization or heterodimerization with ErbB4 forms a low affinity heregulin-binding complex. Because ErbB3 contains a defective kinase domain, the kinase domain of ErbB2 is responsible for initiating the tyrosine phosphorylation signal through the heterodimeric receptor. It has been found that a discrete three amino acid signal in the ErbB3 cytoplasmic domain is critical for transactivation of ErbB2. The cytoplasmic domain of ErbB3 also contains six consensus binding motifs for the SH2 domain of the regulatory p85 subunit of phosphoinositide 3-kinase (PI 3-kinase, PI3K) as well as one proline-rich consensus binding motif for the SH3 domain of p85.

产品性质

别名	ErbB3; ErbB-3; HER3; HER3c-erbB-3; LCCS2; MDA-BF-1; MGC88033; p180-ErbB3; p45-sErbB3; p85-sErbB3; ERBB3
Uniprot No.	P21860.1
表达区间及表达系统	Recombinant Biotinylated Human Her3/ErbB3 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Ser20-Thr643.
分子量	The protein has a predicted MW of 71.6 kDa. Due to glycosylation, the protein migrates to 90-100 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	ELISA Data: Immobilized Biotinylated Human Her3 at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-Her3 Antibody, hFc Tag with the EC ₅₀ 17.6 ng/mL determined by ELISA.
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
复溶	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

冰袋运输。-20°C保存，一年有效期。

复溶后，-20至-80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

建议第一次使用时分装冻存，避免反复冻融。

注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

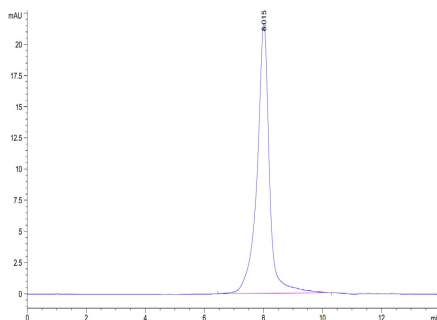
产品数据

Tris-Bis PAGE



Biotinylated Human Her3/ErbB3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

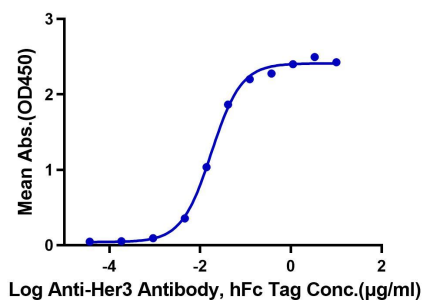
SEC-HPLC



The purity of Biotinylated Human Her3/ErbB3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human Her3, His Tag ELISA
0.05µg Biotinylated Human Her3, His Tag Per Well



Immobilized Biotinylated Human Her3 at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-Her3 Antibody, hFc Tag with the EC₅₀ 17.6 ng/mL determined by ELISA.