

Recombinant Human Her3/ErbB3 Protein, His tag

产品信息

产品名称	产品编号	规格
Recombinant Human Her3/ErbB3 Protein, His tag	93282ES25	25 µg
	93282ES60	100 µg
	93282ES76	500 µg

产品简介

Her3(Human epidermal growth factor Receptor 3), belongs to the protein kinase superfamily, the tyr protein kinase family, and the EGF receptor subfamily. This membrane-bound glycoprotein has a neuregulin-binding domain but no active kinase domain. It does not mediate intracellular signal transduction through protein phosphorylation, but can form heterodimerers with ErbB2 or other EGFR members responsible for tyrosine phosphorylation to generate receptor complexes and initiate pathways that lead to cell proliferation or differentiation.

性能参数

Synonyms	ErbB3; ErbB-3; HER3; HER3c-erbB-3; LCCS2; MDA-BF-1; MGC88033; ERBB3
Uniprot No.	P21860
Source	Recombinant Human HER3 Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Ser20-Thr643.
Molecular Weight	The protein has a predicted MW of 70.6 kDa. And it migrates as 90-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	> 95% as determined by SDS-PAGE.
Concentration	1mg/mL
Endotoxin	<0.01 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).

储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

产品数据

SDS-PAGE

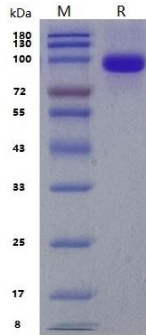


Figure 1. Human HER3 on SDS-PAGE under reduced condition. The purity is greater than 95%.

Bioactivity-Cell based assay

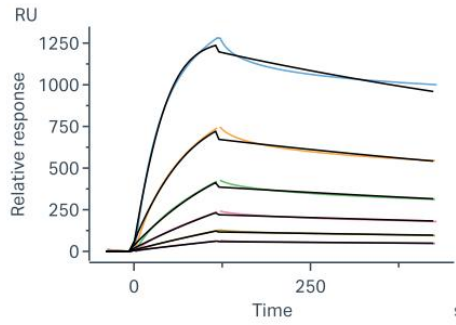


Figure 2. Human NRG1 Beta 1 immobilized on CM5 chip can bind human Her3, his Tag with an affinity constant of 2.13×10^{-9} M as determined in a SPR assay (Biacore 8K).